

(13"/14")

Villemont 2010

Montevina (Intel-Discrete)

DDR3-MV Build (A02)

2010.03.02

DATE	CHANGE NO.	REV

DRAWER	EE	DATE	POWER	DATE	INVENTEC		
DESIGN					TITLE		
CHECK					Villemont Intel Discrete		
RESPONSIBLE							
SIZE = 3					SIZE	CODE	DOC. NUMBER
FILE NAME : XXXX-XXXXXX-XX					A3	CS	1310A23277-0-MTR
P/N XXXXXXXXXXXX					REV		
					SHEET 1 OF 70		

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5- DC & Battery Charger & OCP.
 6- Select & Battery CONN.
 7- System Power (+V3A/+V5A).
 8- System Power (+V1.5/+VCCP) .
 9- Graphic Power (+VDD_CORE & +VPCIE).
 10- System Power (+V1.8S) .
 11- CPU Power (+VCC_CORE).
 12- DDR Termination Voltage(+V0.75S).
 13- Power (Sleep: +V5S/+V3S/+V1.5S).
 14- Power (Sequence).

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 16- CPU Penryn-1.
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 19- CPU Penryn-4 & XDP.
 20- Thermal & Fan.
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 23- N/B Cantiga-3.
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 33- S/B ICH9-2.
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 36- S/B ICH9-5.
 37- KBC.
 38- SPI

69- BLANK
 70- BLANK

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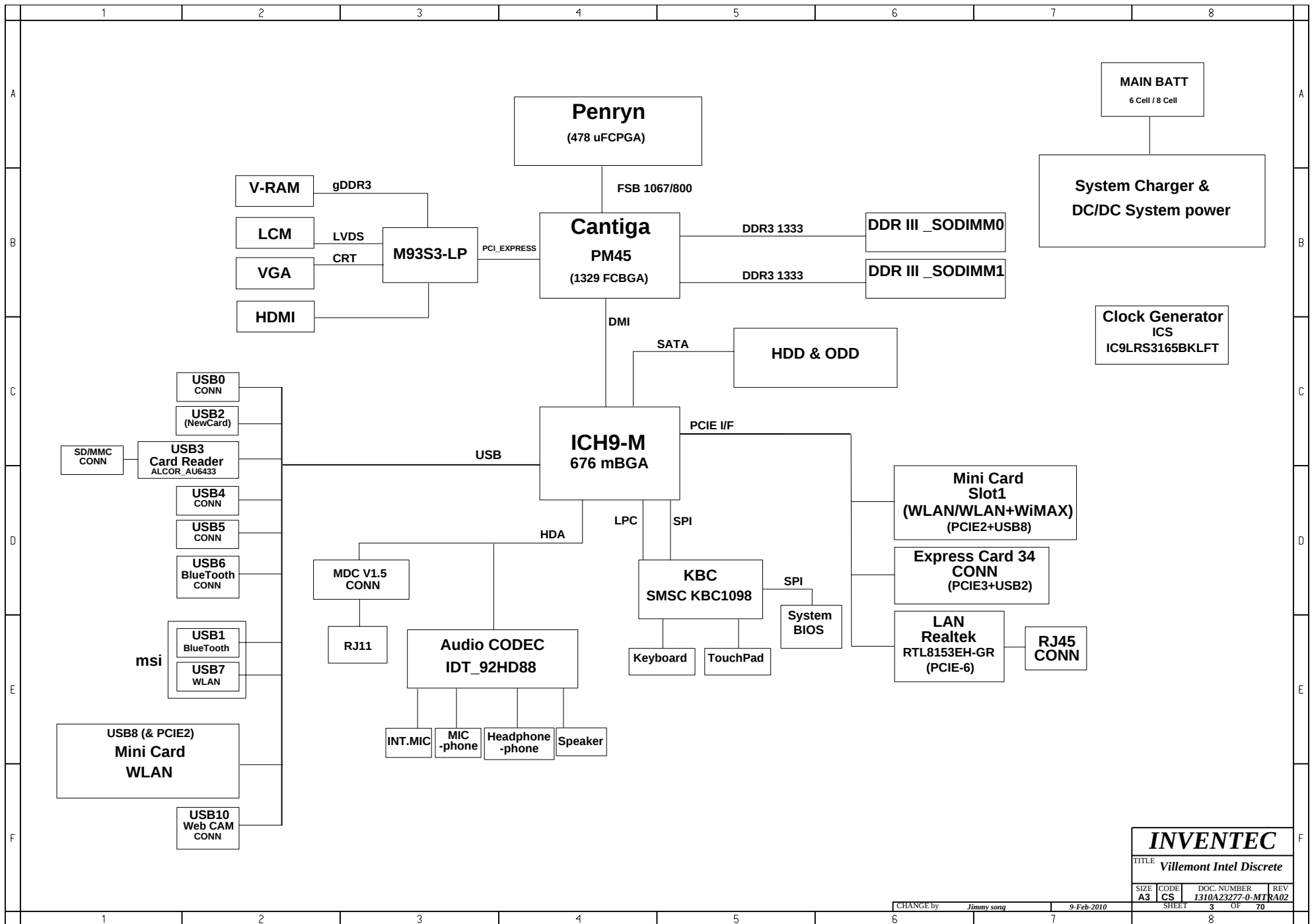
39- Keyboard & TouchPad CONN.
 40- HDD & ODD CONN.
 41- USB CONN.
 42- Audio CODEC.
 43- Speaker & MIC AUDIO CONN MB SIDE.
 44- BLANK.
 45- MDC CONN.
 46- NIC 10/100 LAN CONN.
 47- NIC 10/100 & RJ45 CONN.
 48- Mini Card(WLAN) CONN.
 49- Bluetooth CONN.
 50- Express Card.
 51- BLANK
 52- HDMI CONN.
 53- Switch CONN & LED.
 54- EMI CAP.
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 56- Crack testing circuit.
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 58- AMD M93LP-2.
 59- AMD M93LP-3.
 60- AMD M93LP-4.
 61- Video RAM-1 (DDR3).
 62- Video RAM-2 (DDR3).
 63- CardRead SD/MMC Board.
 64- Headphone JACK & MIC JACK Board.

65- Power button & LID swithch Board.
 66- 14"ODD Extend Board.
 67- USB Right side Board.
 68- PICK Button Board.

INVENTEC

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Villemont Intel Discrete Contents			
SIZE	CODE	DOC. NUMBER	REV
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CHANGE by Jimmy song 9-Feb-2010

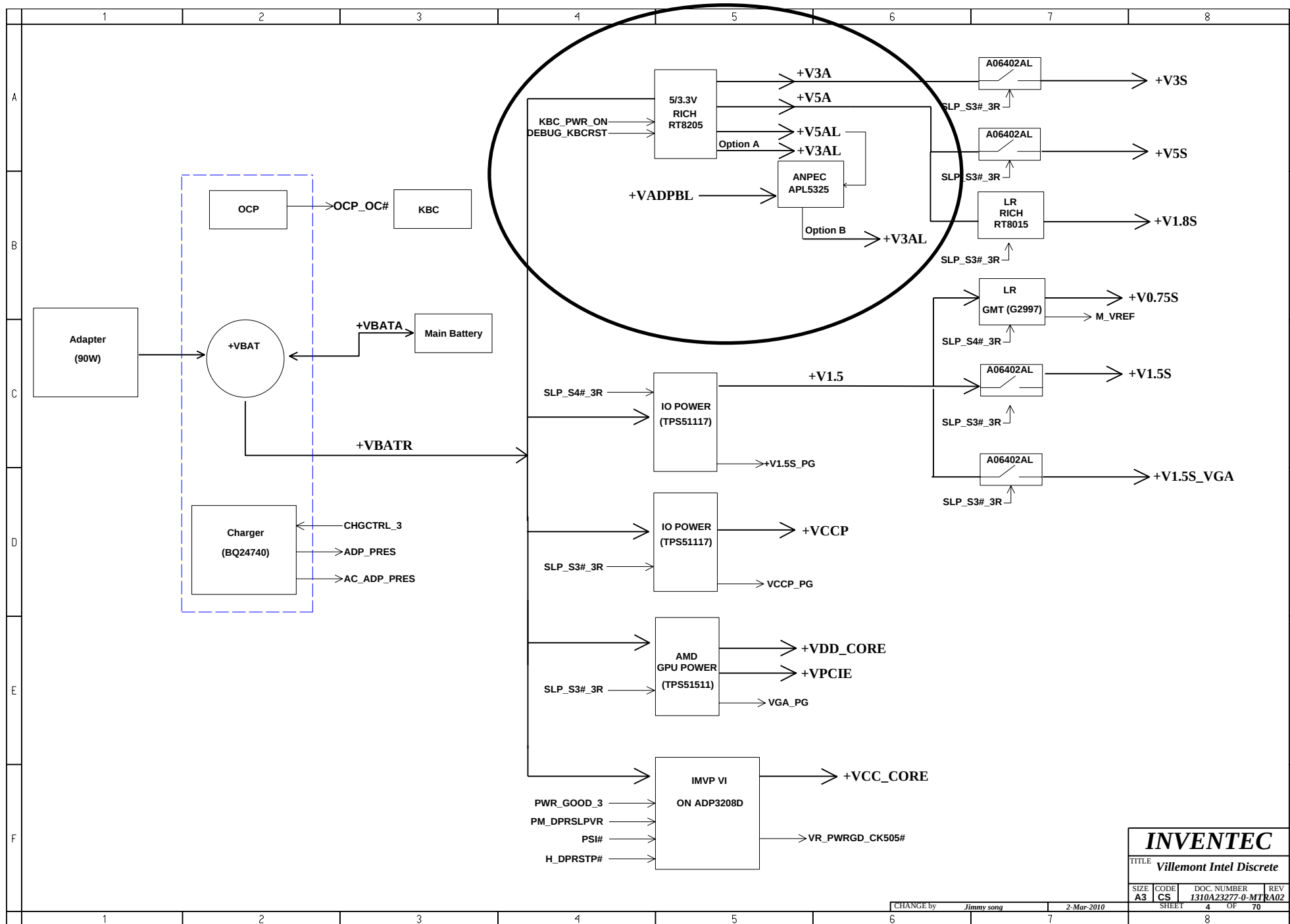


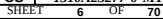
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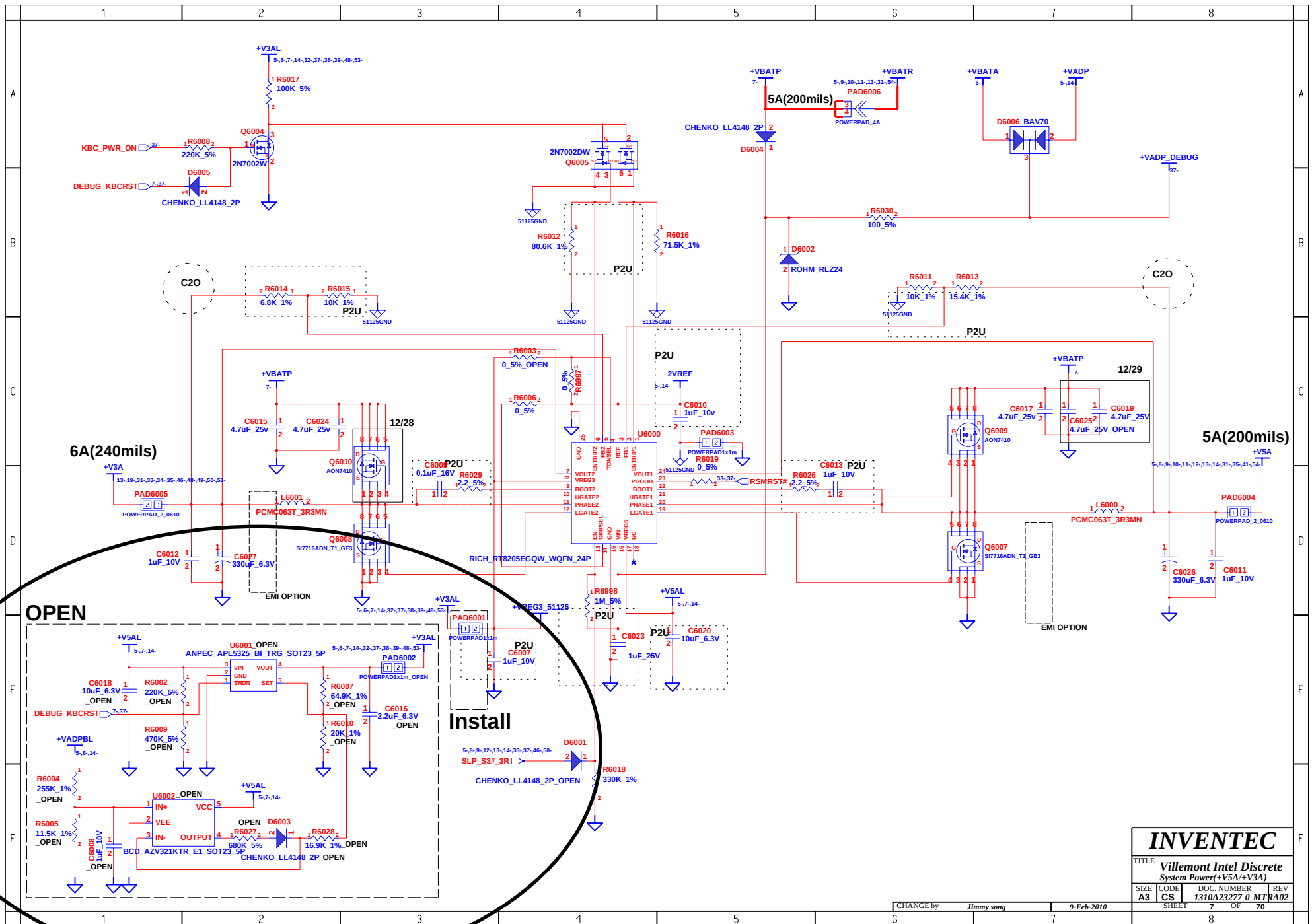
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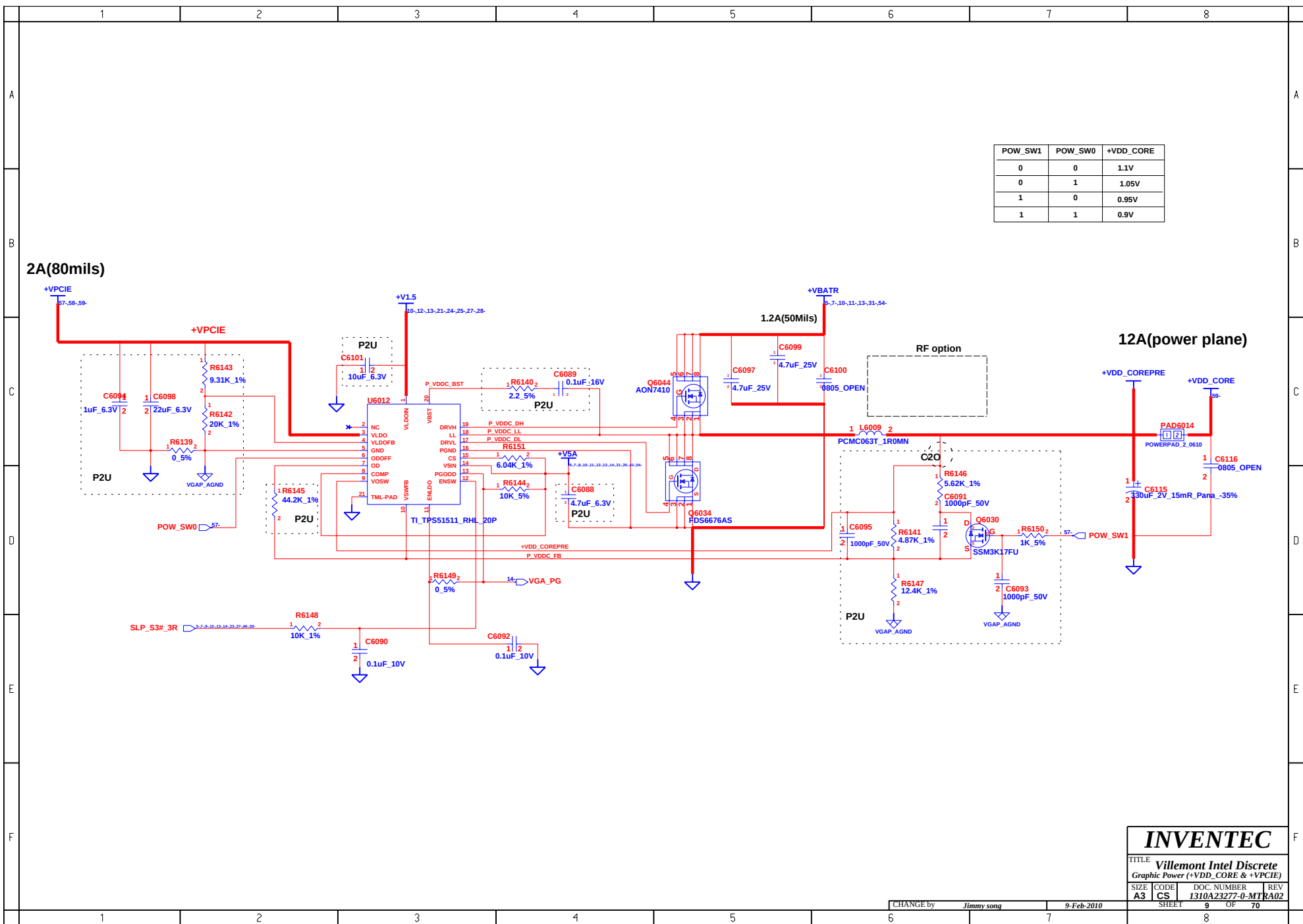
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CHANGE by **Jimmy song** 9-Feb-2010







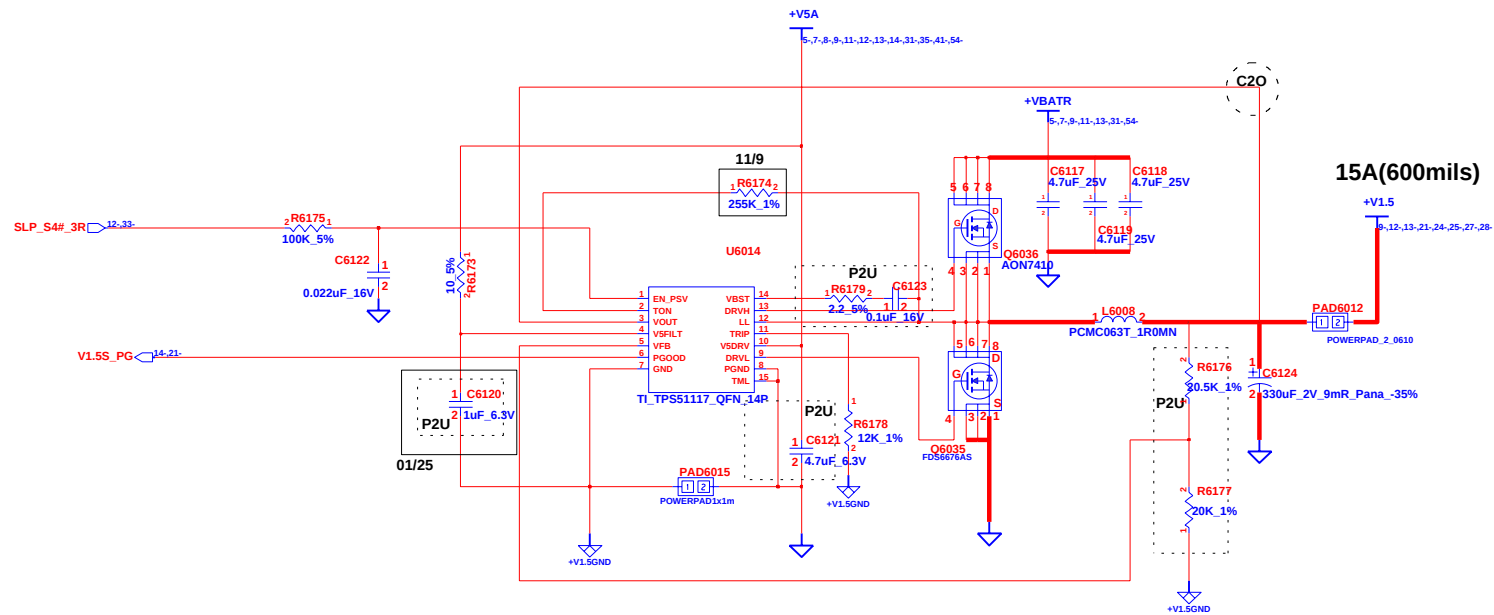


POW_SW1	POW_SW0	+VDD_CORE
0	0	1.1V
0	1	1.05V
1	0	0.95V
1	1	0.9V

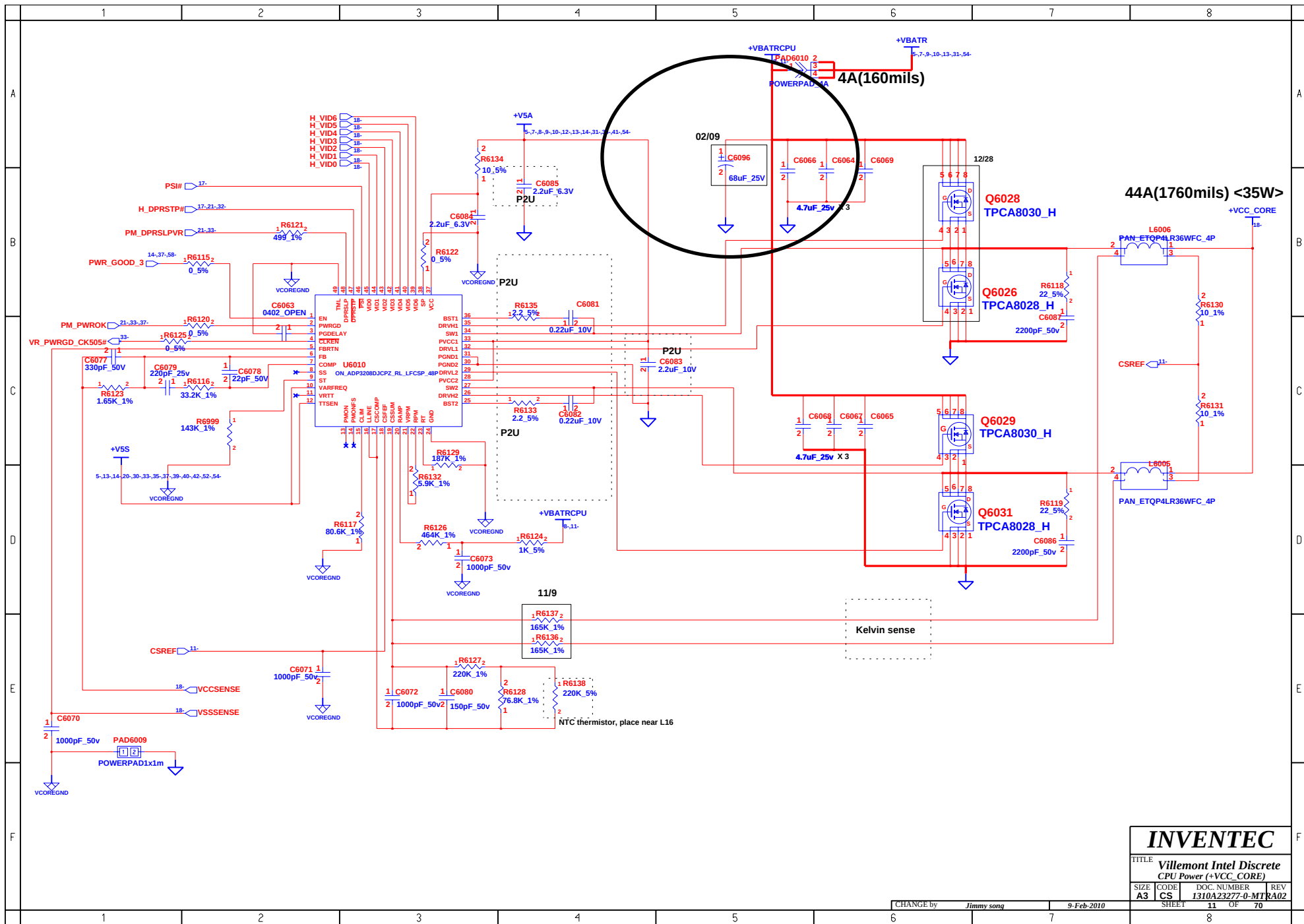
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TITLE	Villemont Intel Discrete Graphic Power (+VDD_CORE & +VPCIE)
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SIZE A3	CODE CS	DOC. NUMBER 1310A23277-0-MTRA02	REV
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TITLE			
Villemont Intel Discrete System Power (+V1.8S)			
SIZE	CODE	DOC. NUMBER	REV
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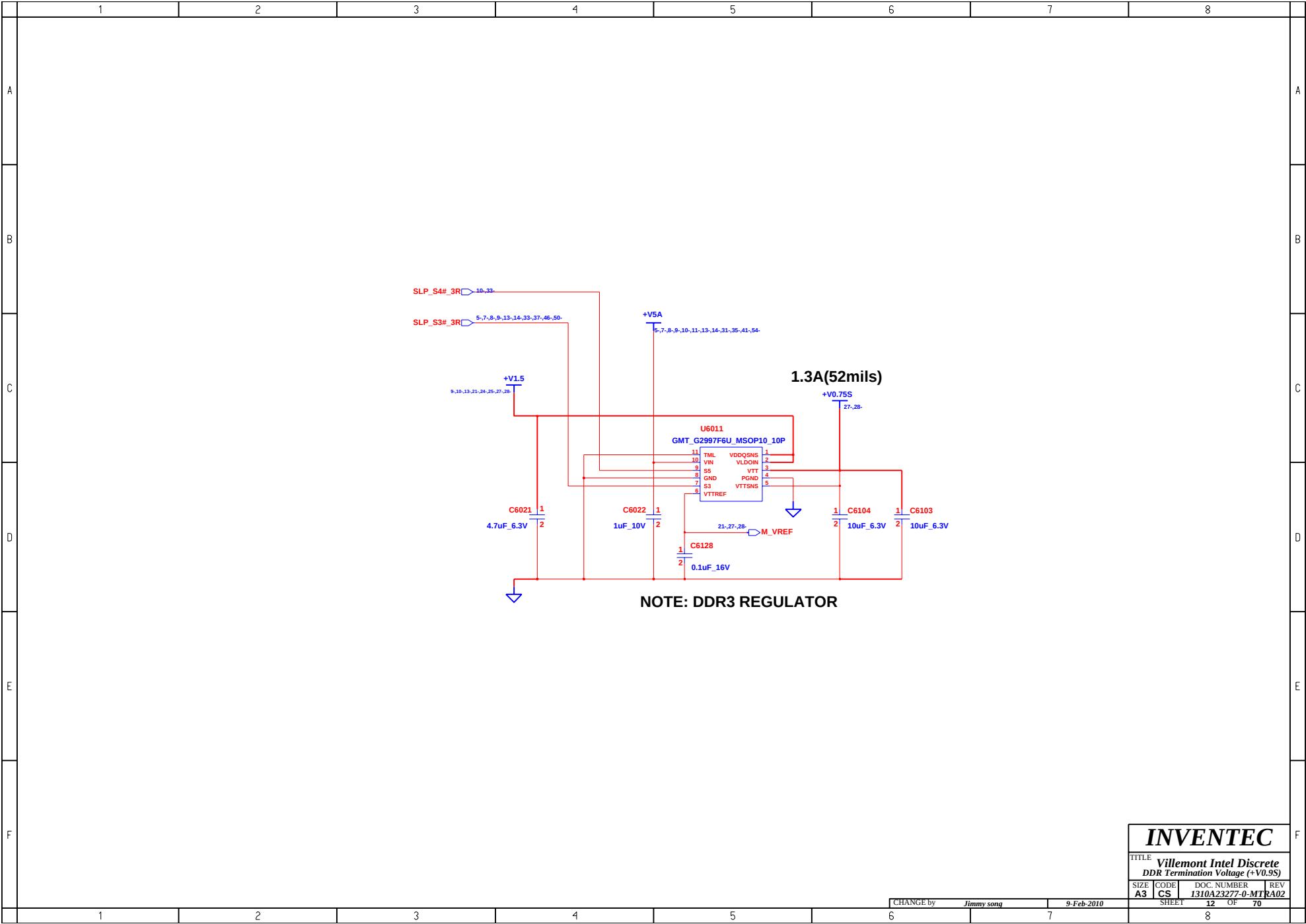
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Villemont Intel Discrete
CPU Power (+VCC_CORE)

SIZE CODE DOC. NUMBER REV
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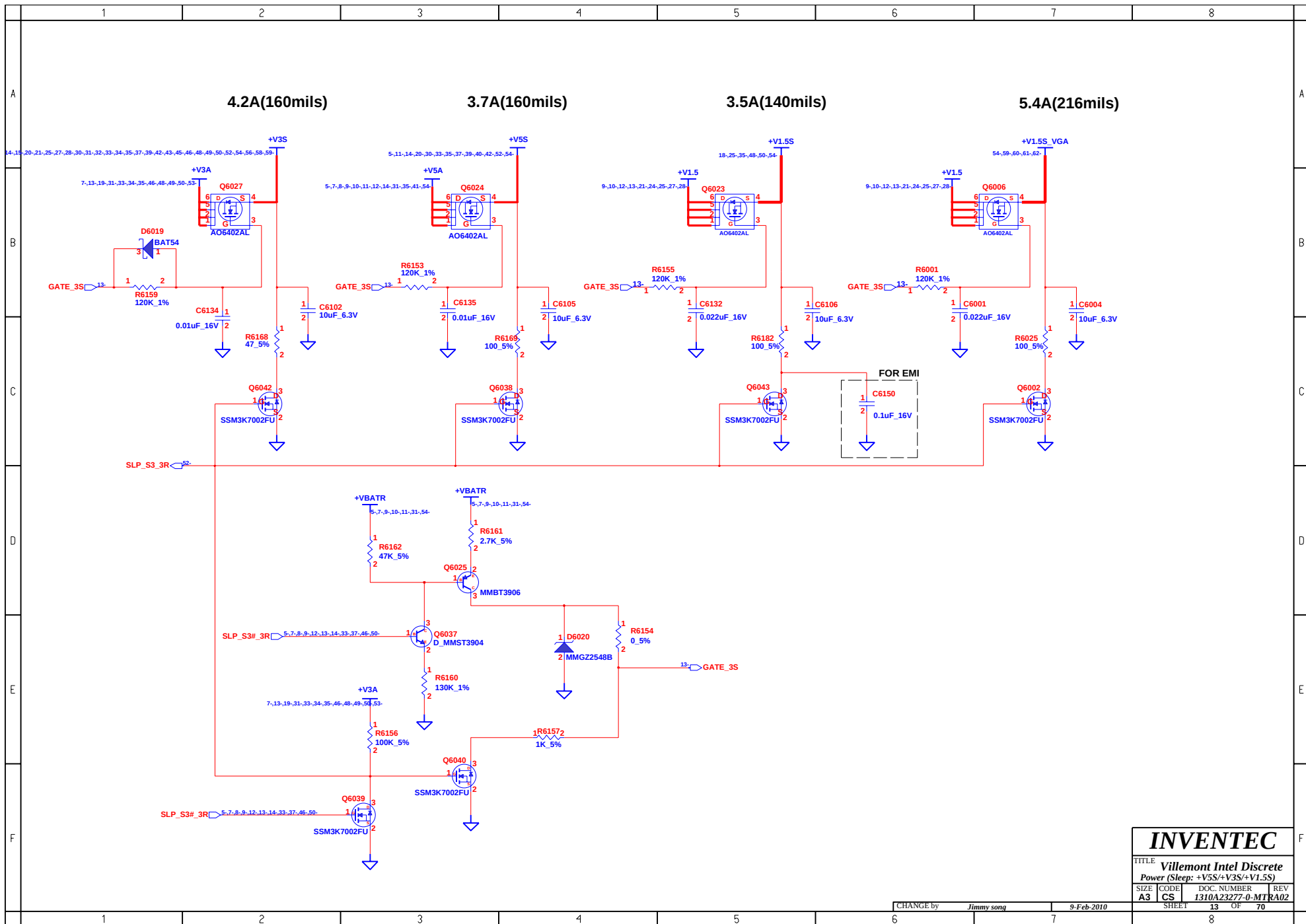
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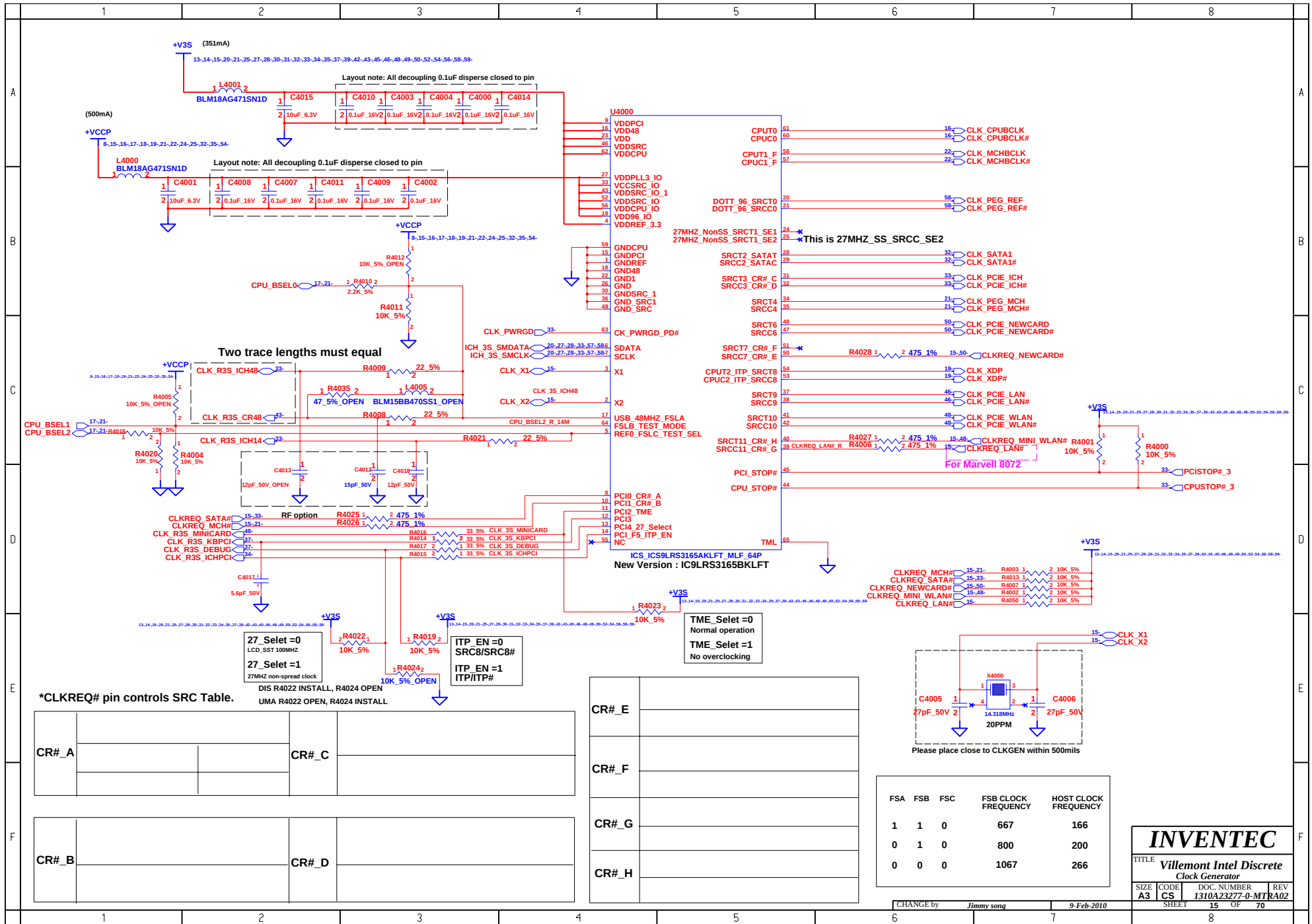
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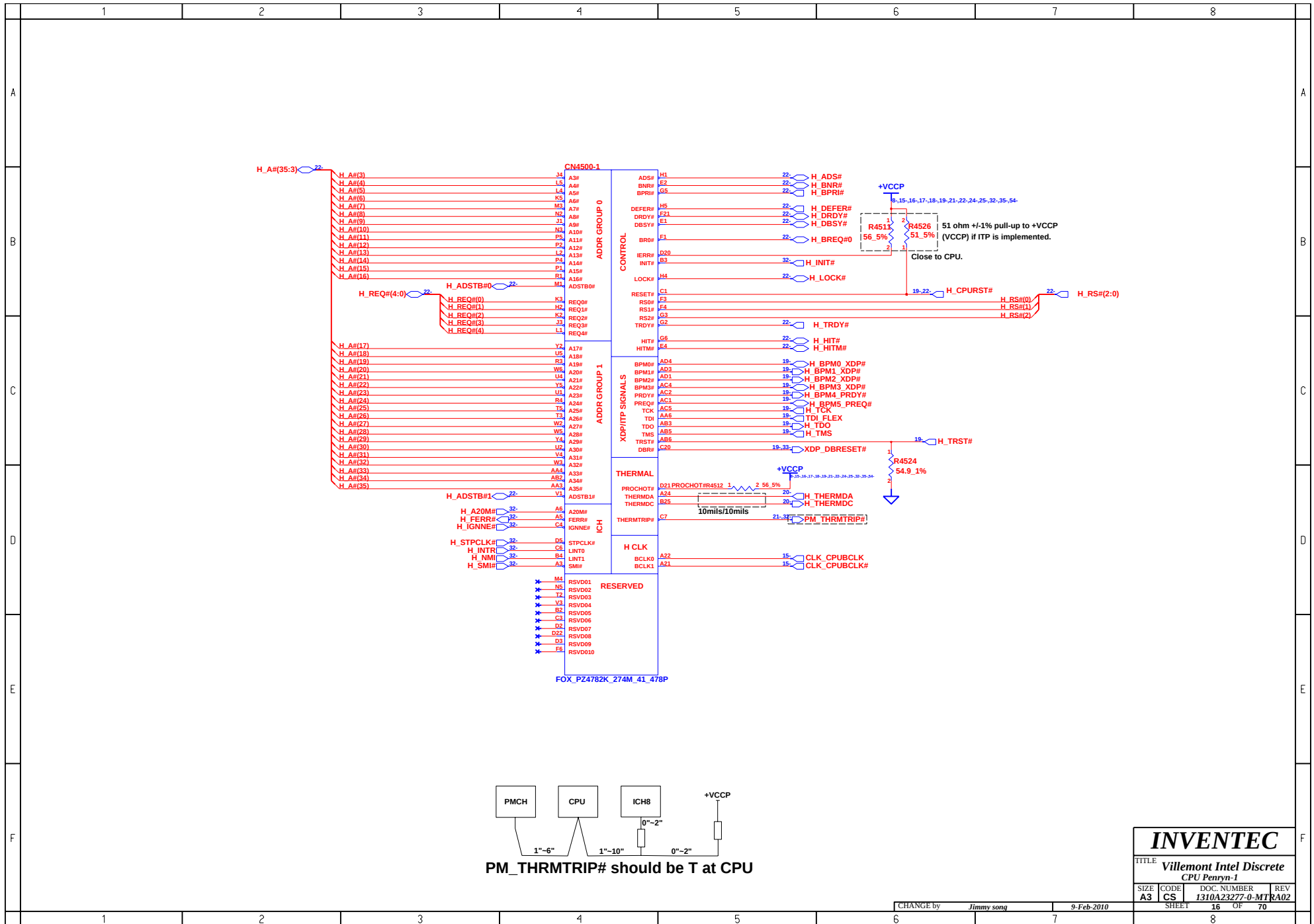
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DDR Termination Voltage (+V0.9S)**

SIZE A3 CODE CS DOC. NUMBER 1310AZ3277-0-MT REV 12 OF 70



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Power (Sleep: +V5S/+V3S/+V1.5S)			
SIZE: A3	CODE: CS	DOC. NUMBER: I310A23277-0-MT	REV: RA02
CHANGE by: Jimmy song		9-Feb-2010	
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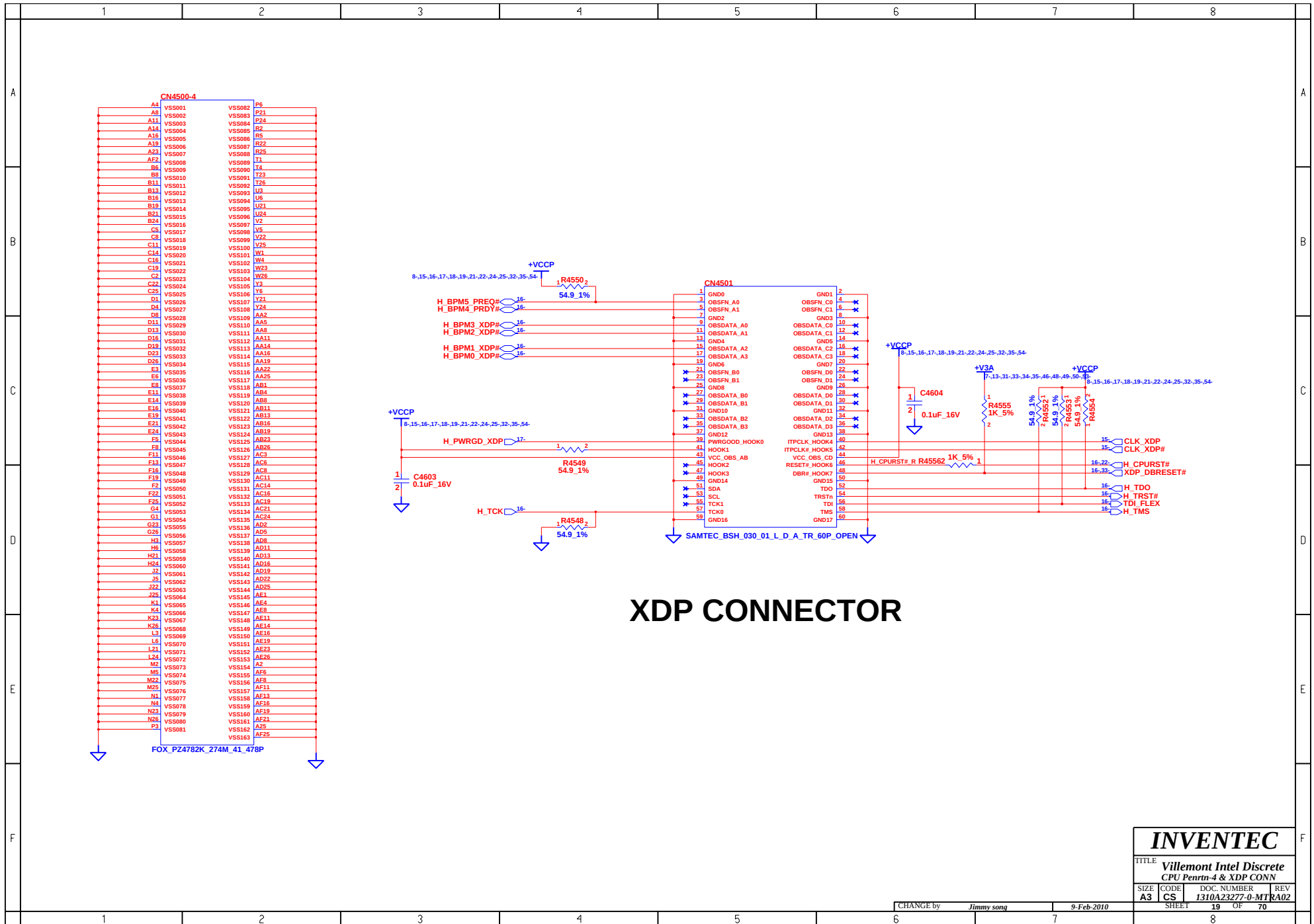
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TITLE
Villemont Intel Discrete
CPU Penryn-1

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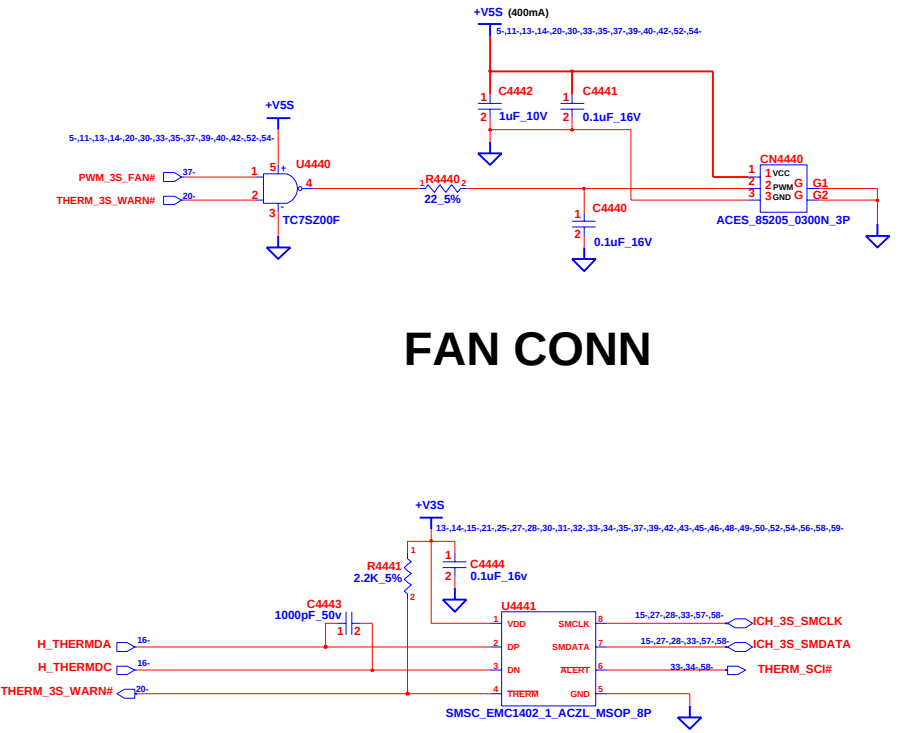
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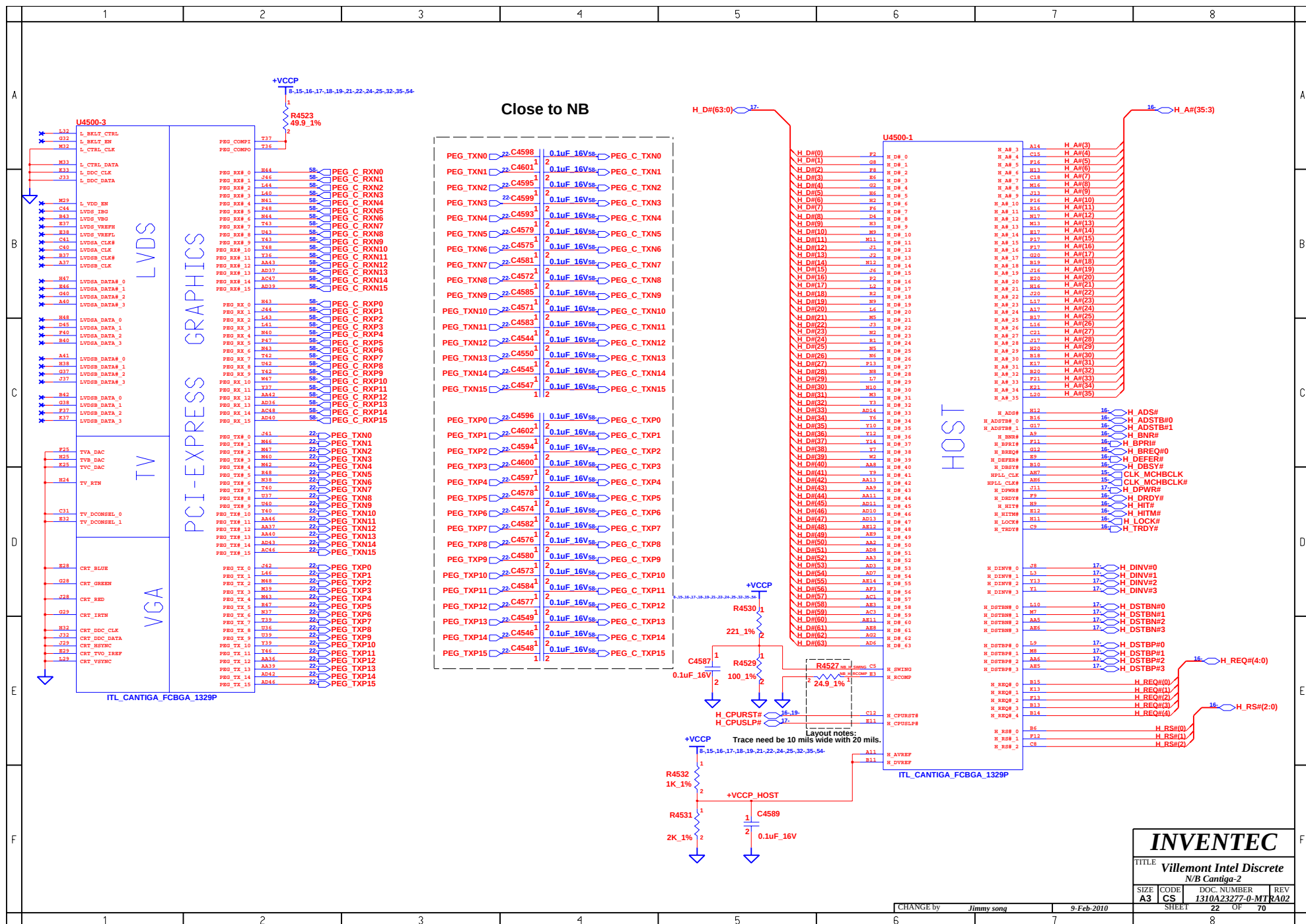


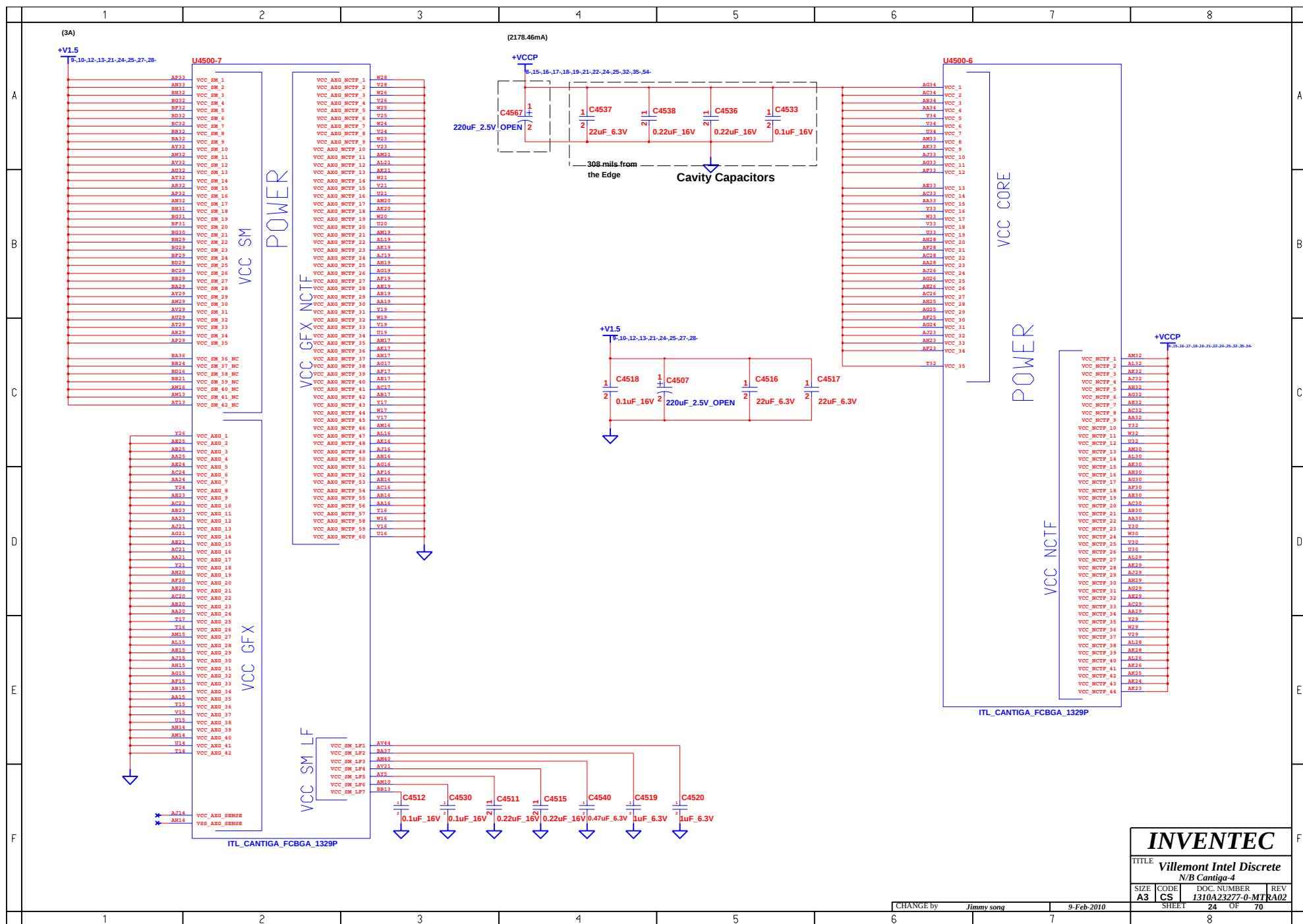
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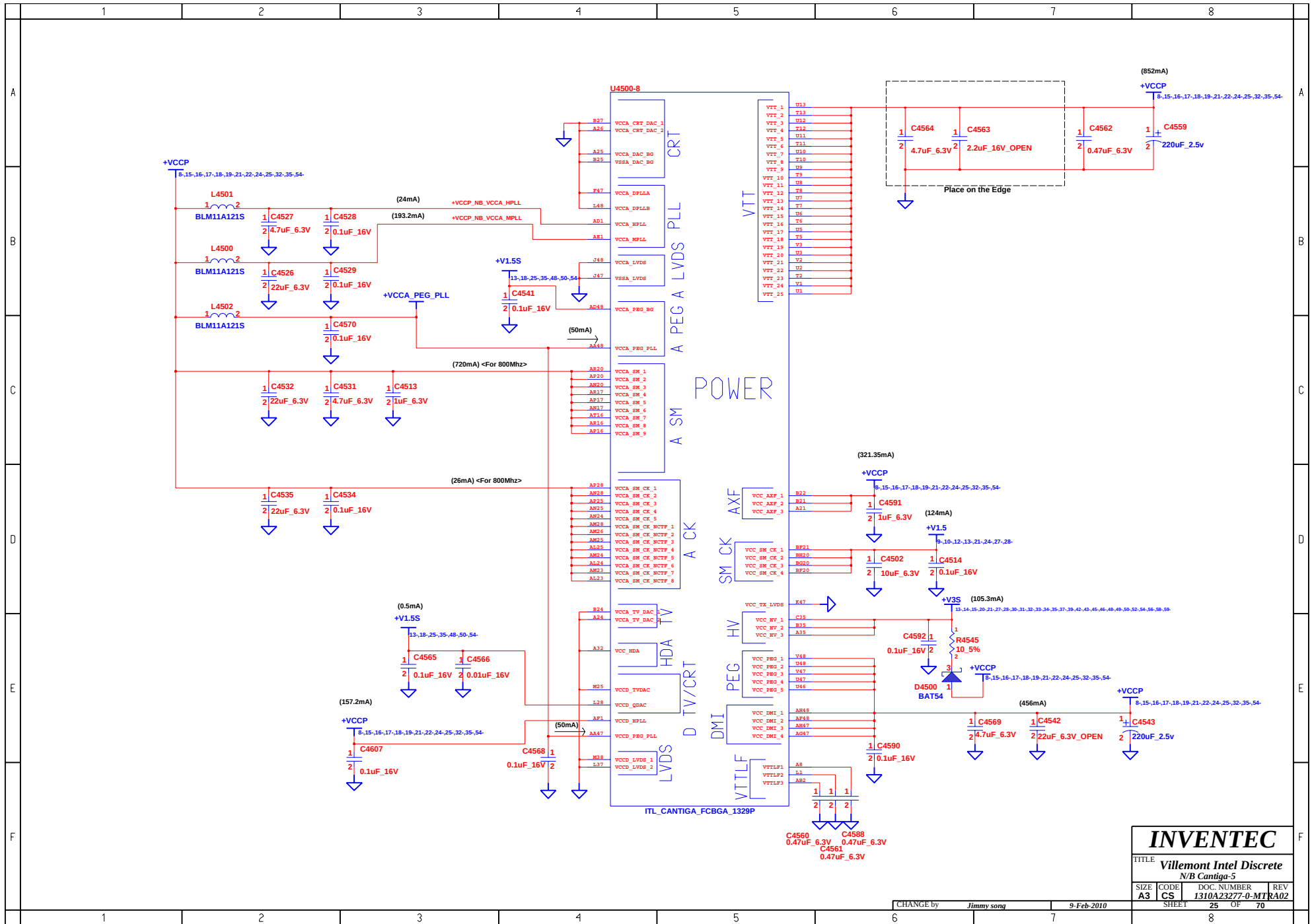
FAN CONN



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TITLE Villemont Intel Discrete Thermal & Fan			
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TITLE **Villemont Intel Discrete**
N/B Cantiga-5

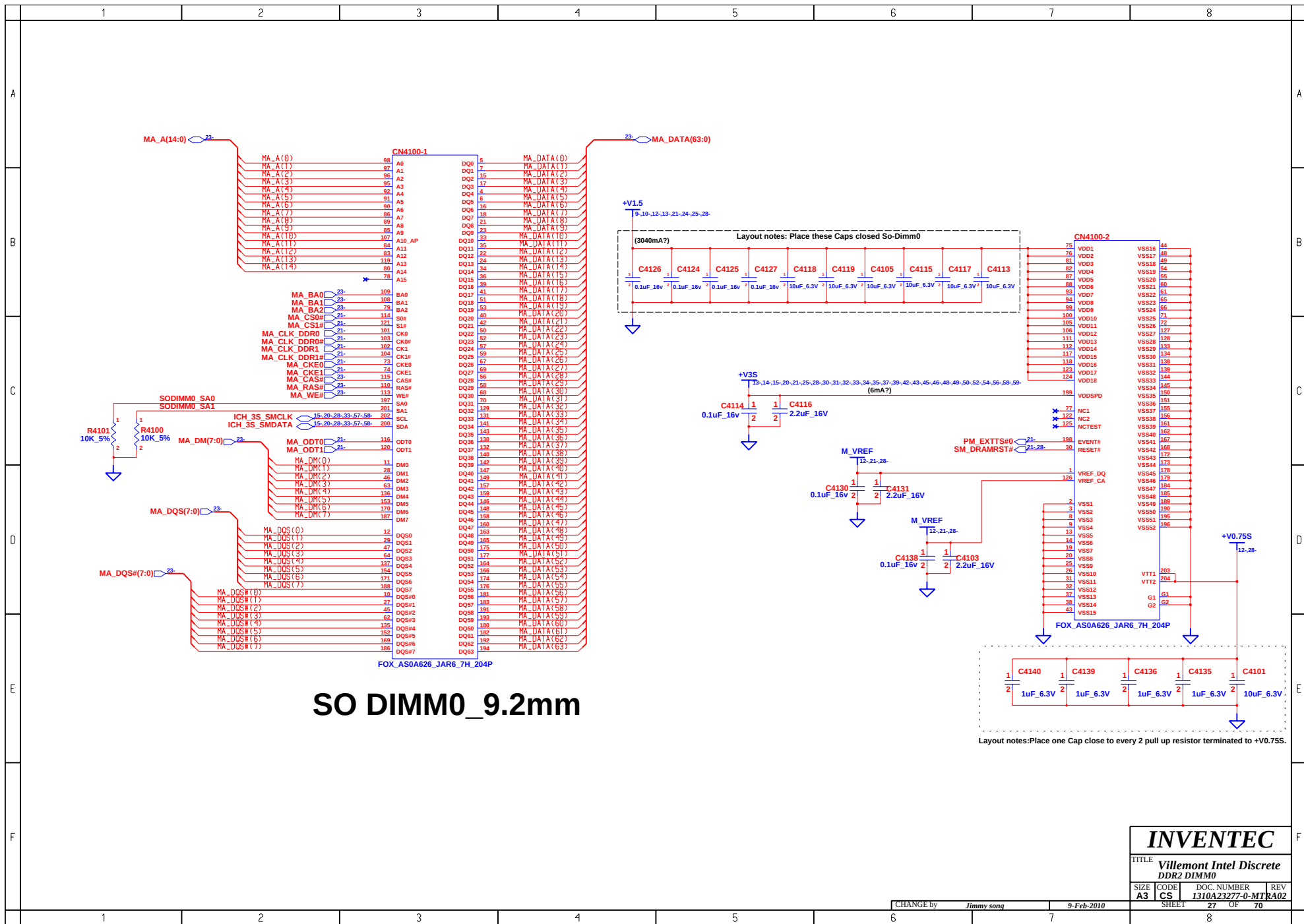
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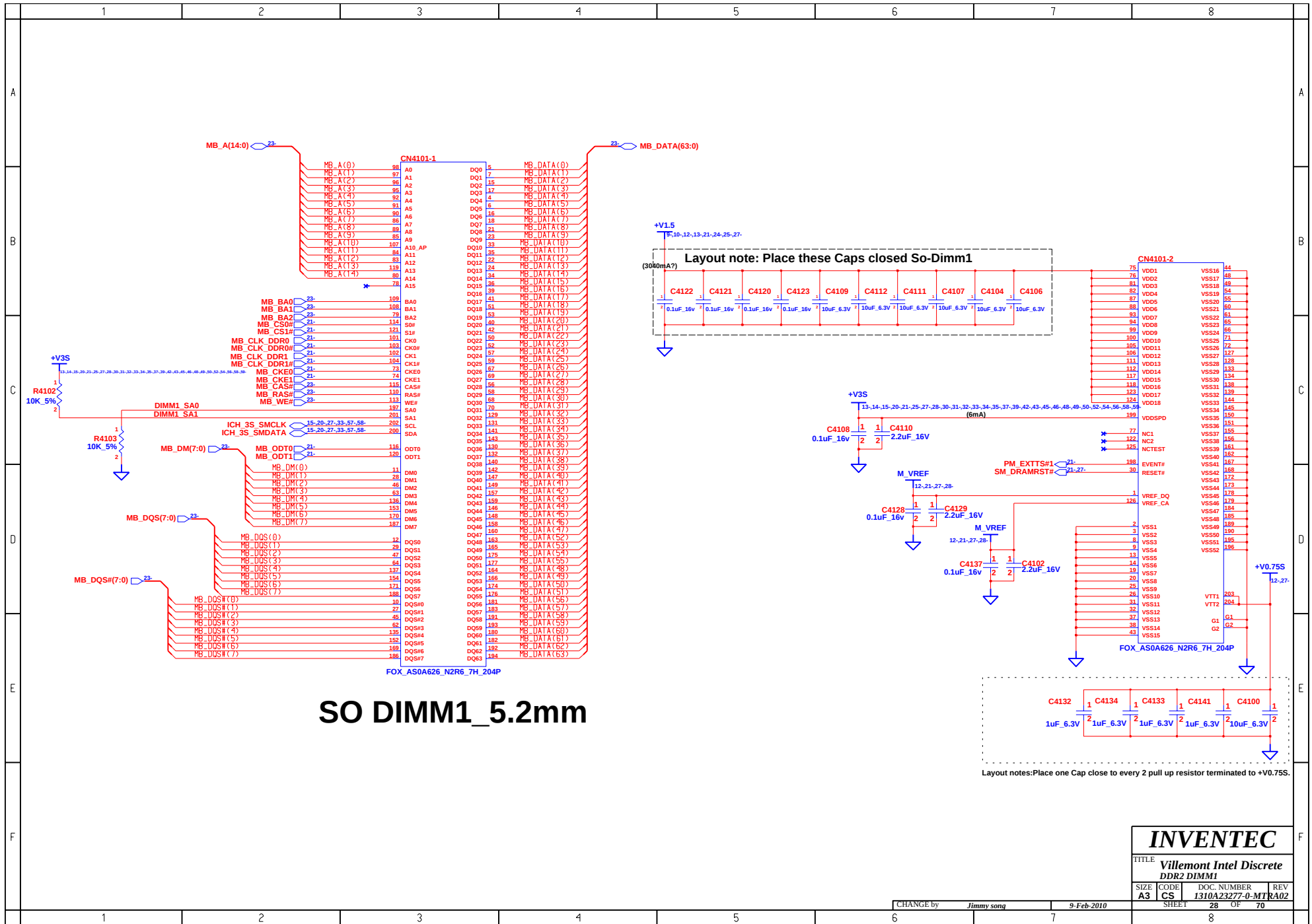
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A			U4500-9 AR48 VSS 1 VSS 100 AM16 AR48 VSS 2 VSS 101 AR16 AL48 VSS 3 VSS 102 P36 BR47 VSS 4 VSS 103 V26 AM47 VSS 5 VSS 104 P36 VSS 105 VSS 6 VSS 105 AT47 VSS 7 VSS 106 B36 AR47 VSS 8 VSS 107 AR36 AD47 VSS 9 VSS 108 AA35 AB47 VSS 10 VSS 109 V35 Y47 VSS 11 VSS 110 Q35 T47 VSS 12 VSS 111 T35 R47 VSS 13 VSS 112 BR14 L47 VSS 14 VSS 113 AM14 Q47 VSS 15 VSS 114 A214 BR46 VSS 16 VSS 115 AR14 BA16 VSS 17 VSS 116 AR14 AY46 VSS 18 VSS 117 W34 AV46 VSS 19 VSS 118 R34 AR46 VSS 20 VSS 119 R34 AM46 VSS 21 VSS 120 R213 V46 VSS 22 VSS 121 RC13 R46 VSS 23 VSS 122 BA13 P46 VSS 24 VSS 123 AV13 H46 VSS 25 VSS 124 AB13 F46 VSS 26 VSS 125 AL13 BP44 VSS 27 VSS 126 AM13 AB44 VSS 28 VSS 127 P33 AD44 VSS 29 VSS 128 L33 AA44 VSS 30 VSS 129 R33 T44 VSS 31 VSS 130 R32 DA4 VSS 32 VSS 131 K32 T44 VSS 33 VSS 132 P32 M44 VSS 34 VSS 133 C12 P44 VSS 35 VSS 134 A31 BC43 VSS 36 VSS 135 AM29 AY43 VSS 37 VSS 136 T29 AD43 VSS 38 VSS 137 H29 AM43 VSS 39 VSS 138 P29 J43 VSS 40 VSS 139 R29 C43 VSS 41 VSS 140 F29 BR42 VSS 42 VSS 141 A29 AT42 VSS 43 VSS 142 BR18 AR42 VSS 44 VSS 143 BD18 AM42 VSS 45 VSS 144 BA18 A242 VSS 46 VSS 145 AV18 AR42 VSS 47 VSS 146 AT18 R42 VSS 48 VSS 147 AR18 L42 VSS 49 VSS 148 AB18 BR41 VSS 50 VSS 149 A228 AM41 VSS 51 VSS 150 AE18 AM41 VSS 52 VSS 151 AB18 AD41 VSS 53 VSS 152 T28 AA41 VSS 54 VSS 153 P28 T41 VSS 55 VSS 154 K28 Y41 VSS 56 VSS 155 H28 D41 VSS 57 VSS 156 C28 M41 VSS 58 VSS 157 BP26 G41 VSS 59 VSS 158 AR26 R41 VSS 60 VSS 159 AT26 BR40 VSS 61 VSS 160 AR26 BB40 VSS 62 VSS 161 AF26 AV40 VSS 63 VSS 162 AB16 AM40 VSS 64 VSS 163 AA26 AR40 VSS 65 VSS 164 C26 R40 VSS 66 VSS 165 R25 R40 VSS 67 VSS 166 BR15 AT39 VSS 68 VSS 167 BD15 AM39 VSS 69 VSS 168 BA15 A239 VSS 70 VSS 169 AV15 AR39 VSS 71 VSS 170 AR15 N39 VSS 72 VSS 171 A225 B39 VSS 73 VSS 172 AC25 BB18 VSS 74 VSS 173 T25 RC18 VSS 75 VSS 174 H25 BA18 VSS 76 VSS 175 V25 AU18 VSS 77 VSS 176 Q25 AB18 VSS 78 VSS 177 G25 AD18 VSS 79 VSS 178 R25 AA18 VSS 80 VSS 179 BP24 T18 VSS 81 VSS 180 AR24 X18 VSS 82 VSS 181 AT24 D18 VSS 83 VSS 182 AV24 T18 VSS 84 VSS 183 AR24 J18 VSS 85 VSS 184 AR24 F18 VSS 86 VSS 185 AF24 C18 VSS 87 VSS 186 AR24 BP17 VSS 88 VSS 187 R24 BR17 VSS 89 VSS 188 J24 AM17 VSS 90 VSS 189 R24 AT17 VSS 91 VSS 190 J24 AM17 VSS 92 VSS 191 Q24 A217 VSS 93 VSS 192 P24 R17 VSS 94 VSS 193 R24 C37 VSS 95 VSS 194 BR23 BR16 VSS 96 VSS 195 AG23 BD16 VSS 97 VSS 196 V23 AK15 VSS 98 VSS 197 R23 AD16 VSS 99 VSS 198 A23 ITL_CANTIGA_FCBGA_1329P						U4500-10 BR11 VSS 199 VSS 297 AR8 V12 VSS 200 VSS 298 Y8 AM11 VSS 201 VSS 299 L8 AR11 VSS 202 VSS 300 B8 AR11 VSS 203 VSS 301 B8 AR11 VSS 204 VSS 302 A77 AR11 VSS 205 VSS 303 A07 AR11 VSS 206 VSS 304 AR7 R21 VSS 207 VSS 305 A77 R21 VSS 208 VSS 306 A87 M11 VSS 209 VSS 307 AA7 Q11 VSS 210 VSS 308 N7 Q11 VSS 211 VSS 309 J7 RC10 VSS 212 VSS 310 BD6 BA10 VSS 213 VSS 311 BD6 AR10 VSS 214 VSS 312 AV6 AT10 VSS 215 VSS 313 AT6 A210 VSS 216 VSS 314 AM6 AG10 VSS 217 VSS 315 M6 T20 VSS 218 VSS 316 C6 R20 VSS 219 VSS 317 BA5 K20 VSS 220 VSS 318 AR5 P20 VSS 221 VSS 319 AD5 V48 VSS 222 VSS 320 Y5 A20 VSS 223 VSS 321 L5 BR19 VSS 224 VSS 322 J5 A18 VSS 225 VSS 323 H5 BR17 VSS 226 VSS 324 R4 RC17 VSS 227 VSS 325 BR4 AM17 VSS 228 VSS 326 RC3 AT17 VSS 229 VSS 327 RC3 R17 VSS 230 VSS 328 AD3 M17 VSS 231 VSS 329 AD3 H17 VSS 232 VSS 330 R3 C17 VSS 233 VSS 331 P3 BA16 VSS 234 VSS 332 BA2 AM16 VSS 235 VSS 333 AM2 AM16 VSS 236 VSS 334 AM2 AM16 VSS 237 VSS 335 AD2 R16 VSS 238 VSS 336 AD2 R16 VSS 239 VSS 337 AP2 K16 VSS 240 VSS 338 A22 D16 VSS 241 VSS 339 AR2 R16 VSS 242 VSS 340 AP2 BR15 VSS 243 VSS 341 AR2 AC15 VSS 244 VSS 342 AD2 R15 VSS 245 VSS 343 AC2 AE15 VSS 246 VSS 344 Y2 BR14 VSS 247 VSS 345 M2 AA14 VSS 248 VSS 346 K2 C14 VSS 249 VSS 347 AM1 BR13 VSS 250 VSS 348 AA1 RC13 VSS 251 VSS 349 P1 BA13 VSS 252 VSS 350 H1 AM13 VSS 253 VSS 351 U24 A213 VSS 254 VSS 352 U28 AM13 VSS 255 VSS 353 U25 H13 VSS 256 VSS 354 U29 VSS 257 VSS 257 VSS 355 V13 VSS 258 VSS 356 Q13 VSS 259 VSS 357 R13 VSS 260 VSS 358 BP12 VSS 261 VSS 359 AV12 VSS 262 VSS 360 AM12 VSS 263 VSS 361 VSS 264 VSS 264 VSS 362 VSS 265 VSS 265 VSS 363 VSS 266 VSS 266 VSS 364 V12 VSS 267 VSS 365 A12 VSS 268 VSS 366 BR11 VSS 269 VSS 367 BR11 VSS 270 VSS 368 AT11 VSS 271 VSS 369 AM11 VSS 272 VSS 370 AM11 VSS 273 VSS 371 V11 VSS 274 VSS 372 R11 VSS 275 VSS 373 Q11 VSS 276 VSS 374 C11 VSS 277 VSS 375 R10 VSS 278 VSS 376 AT10 VSS 279 VSS 377 AT10 VSS 280 VSS 378 AT10 VSS 281 VSS 379 AT10 VSS 282 VSS 380 AR10 VSS 283 VSS 381 AR10 VSS 284 VSS 382 M10 VSS 285 VSS 383 BR9 VSS 286 VSS 384 RC9 VSS 287 VSS 385 AM9 VSS 288 VSS 386 AM9 VSS 289 VSS 387 AR9 VSS 290 VSS 388 O9 VSS 291 VSS 389 R9 VSS 292 VSS 390 BR8 VSS 293 VSS 391 BR8 VSS 294 VSS 392 AR8 VSS 295 VSS 393 AT8 VSS 296 VSS 394 VSS

INVENTEC			
TITLE Villemont Intel Discrete N/B Cantiga-6			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MT	REV RA02
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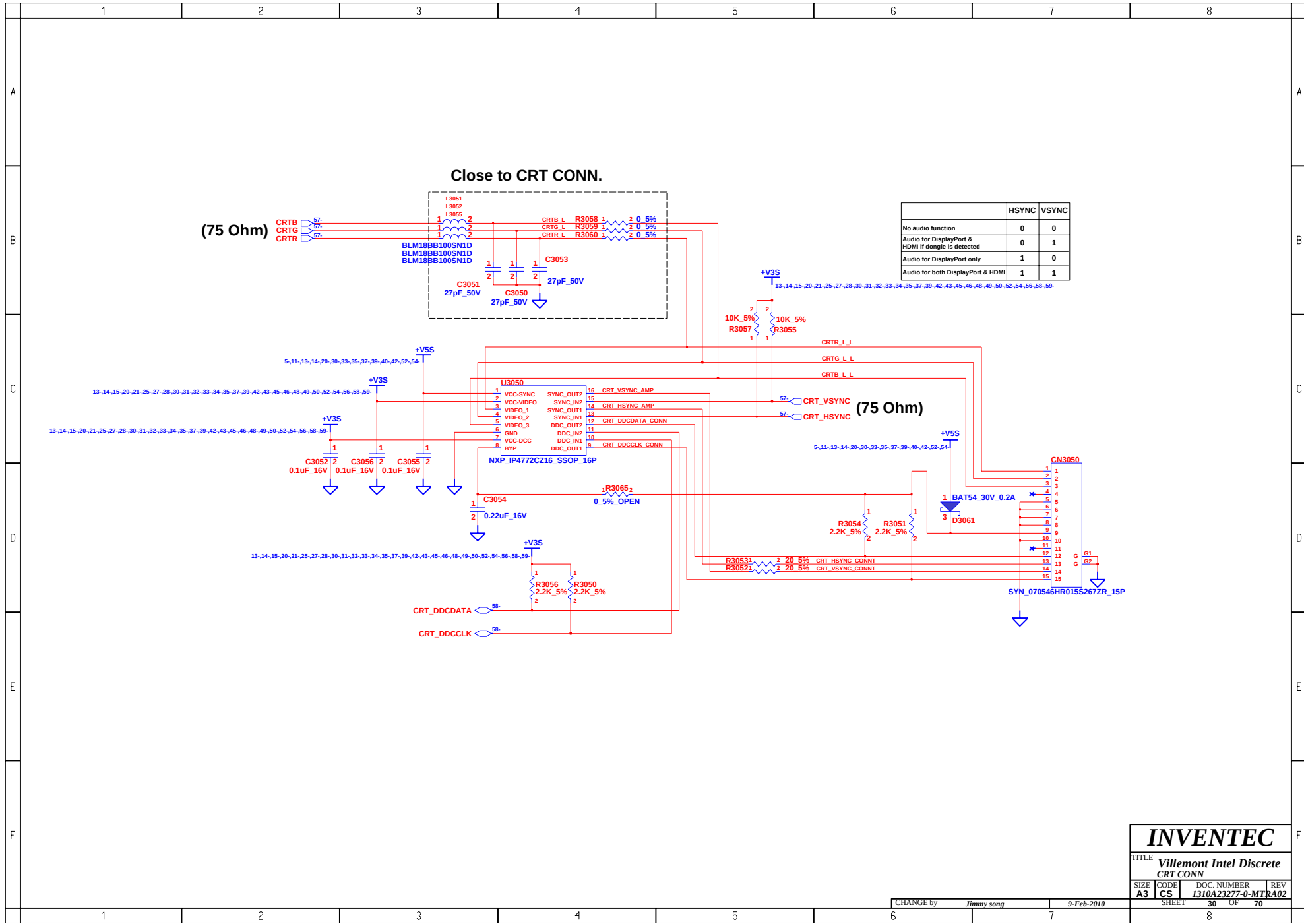




	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE Villemont Intel Discrete DDR2 Damping			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23277-0-MTR	A02
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CHANGE by *Jimmy song* 27-Sep-2003



	HSYNC	VSYS
No audio function	0	0
Audio for DisplayPort & HDMI if dongle is detected	0	1
Audio for DisplayPort only	1	0
Audio for both DisplayPort & HDMI	1	1

INVENTEC

TITLE
Villemont Intel Discrete
CRT CONN

SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MT	REV RA02
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CHANGE by Jimmy song 9-Feb-2010

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	1	2	3	4	5	6	7	8	
A									
B									
C									
D									
E									
F									
						CHANGE by Jimmy song 9-Feb-2010			
						SHEET 36 OF 70			
						8			

U4501-5

AA26	VSS001	VSS107	H5
AA27	VSS002	VSS108	J23
AA3	VSS003	VSS109	J26
AA8	VSS004	VSS110	J27
AB1	VSS005	VSS111	AC22
AA23	VSS006	VSS112	K28
AB28	VSS007	VSS113	K29
AB29	VSS008	VSS114	L13
AB4	VSS009	VSS115	L15
AB5	VSS010	VSS116	L2
AC17	VSS011	VSS117	L26
AC26	VSS012	VSS118	L27
AC27	VSS013	VSS119	L5
AC3	VSS014	VSS120	L7
AD1	VSS015	VSS121	M12
AD10	VSS016	VSS122	M13
AD12	VSS017	VSS123	M14
AD13	VSS018	VSS124	M15
AD14	VSS019	VSS125	M16
AD17	VSS020	VSS126	M17
AD18	VSS021	VSS127	M23
AD21	VSS022	VSS128	M28
AD28	VSS023	VSS129	M29
AD29	VSS024	VSS130	N11
AD4	VSS025	VSS131	N12
AD5	VSS026	VSS132	N13
AD6	VSS027	VSS133	N14
AD7	VSS028	VSS134	N15
AD9	VSS029	VSS135	N16
AE12	VSS030	VSS136	N17
AE13	VSS031	VSS137	N18
AE14	VSS032	VSS138	N26
AE16	VSS033	VSS139	N27
AE17	VSS034	VSS140	P12
AE21	VSS035	VSS141	P13
AE20	VSS036	VSS142	P14
AE24	VSS037	VSS143	P15
AE3	VSS038	VSS144	P16
AE4	VSS039	VSS145	P17
AE6	VSS040	VSS146	P2
AE9	VSS041	VSS147	P23
AF13	VSS042	VSS148	P28
AF16	VSS043	VSS149	P29
AF18	VSS044	VSS150	P4
AF22	VSS045	VSS151	P7
AH26	VSS046	VSS152	R11
AF26	VSS047	VSS153	R12
AF27	VSS048	VSS154	R13
AF5	VSS049	VSS155	R14
AF7	VSS050	VSS156	R15
AF9	VSS051	VSS157	R16
AG13	VSS052	VSS158	R17
AG16	VSS053	VSS159	R18
AG18	VSS054	VSS160	R28
AG20	VSS055	VSS161	T12
AG23	VSS056	VSS162	T13
AG3	VSS057	VSS163	T14
AG5	VSS058	VSS164	T15
AG9	VSS059	VSS165	T16
AH12	VSS060	VSS166	T17
AH14	VSS061	VSS167	T23
AH17	VSS062	VSS168	U12
AH19	VSS063	VSS169	U13
AH2	VSS064	VSS170	U14
AH22	VSS065	VSS171	U15
AH25	VSS066	VSS172	U16
AH28	VSS067	VSS173	U17
AH5	VSS068	VSS174	U17
AH8	VSS069	VSS175	AD23
AJ12	VSS070	VSS176	U24
AJ14	VSS071	VSS177	U27
AJ17	VSS072	VSS178	U3
AJ8	VSS073	VSS179	V1
B11	VSS074	VSS180	V11
B14	VSS075	VSS181	V15
B17	VSS076	VSS182	V23
B2	VSS077	VSS183	V28
B20	VSS078	VSS184	V29
B23	VSS079	VSS185	V4
B5	VSS080	VSS186	V5
B8	VSS081	VSS187	W23
C26	VSS082	VSS188	W27
C27	VSS083	VSS189	W3
E11	VSS084	VSS190	Y1
E14	VSS085	VSS191	Y21
E18	VSS086	VSS192	Y28
E2	VSS087	VSS193	Y4
E21	VSS088	VSS194	Y5
E24	VSS089	VSS195	AG28
E5	VSS090	VSS196	AH6
E8	VSS091	VSS197	AF2
F16	VSS092	VSS198	B25
F28	VSS093		
F29	VSS094	VSS_NCTF1	A1
G12	VSS095	VSS_NCTF2	A2
G14	VSS096	VSS_NCTF3	A28
G18	VSS097	VSS_NCTF4	A29
G21	VSS098	VSS_NCTF5	AH1
G24	VSS099	VSS_NCTF6	AH29
G26	VSS100	VSS_NCTF7	AJ2
G27	VSS101	VSS_NCTF8	AJ28
G8	VSS102	VSS_NCTF9	AJ29
H2	VSS103	VSS_NCTF10	B1
H23	VSS104	VSS_NCTF11	B21
H28	VSS105	VSS_NCTF12	B22
H29	VSS106		

ITL_ICH9M_FCBGA_676P

56- ICHGND1

56- ICHGND4

56- ICHGND7

56- ICHGND10

INVENTEC

TITLE
Villemont Intel Discrete
S/B ICH9-5

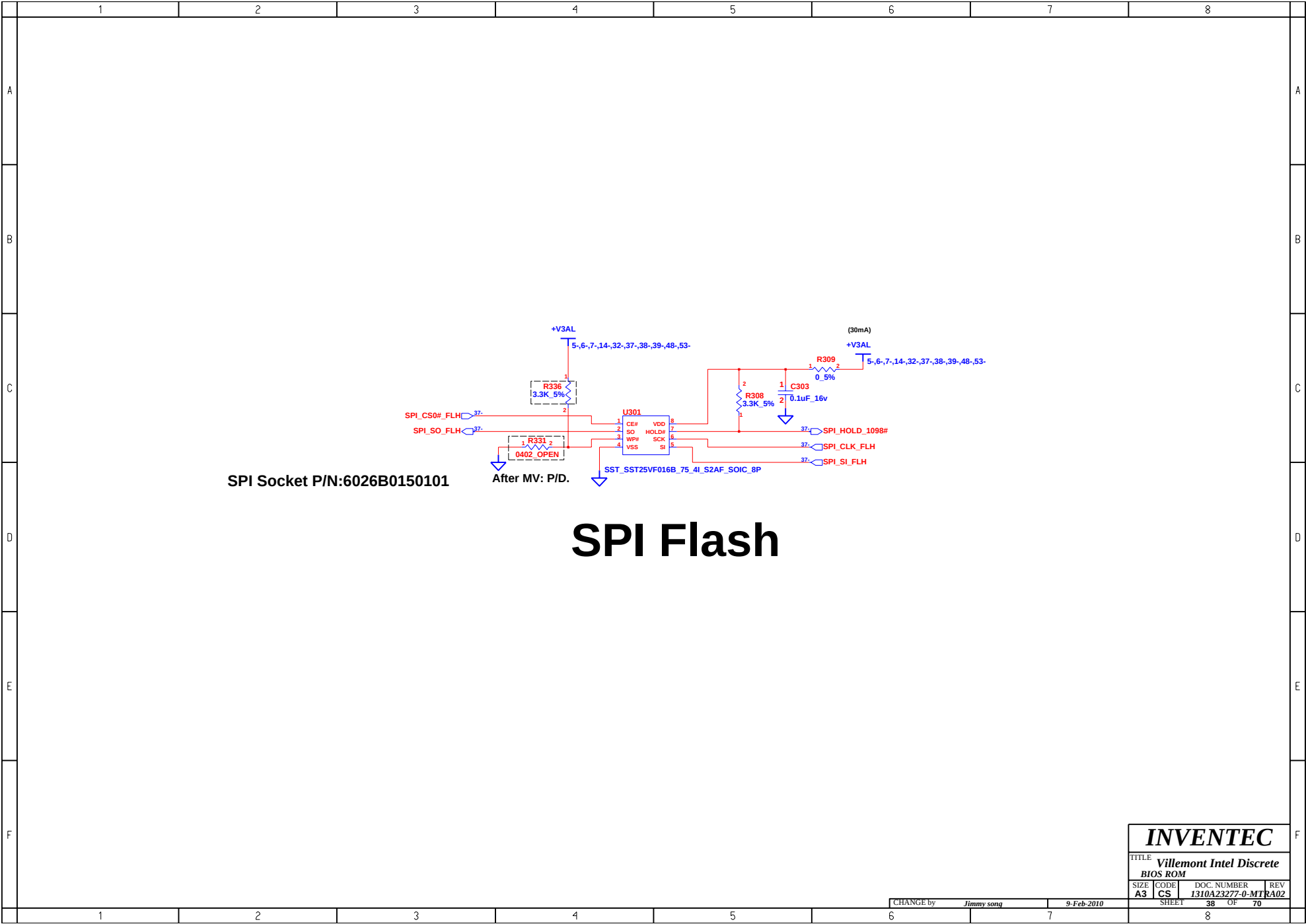
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A3

CODE
CS

DOC. NUMBER
I310AZ3277-0-MT

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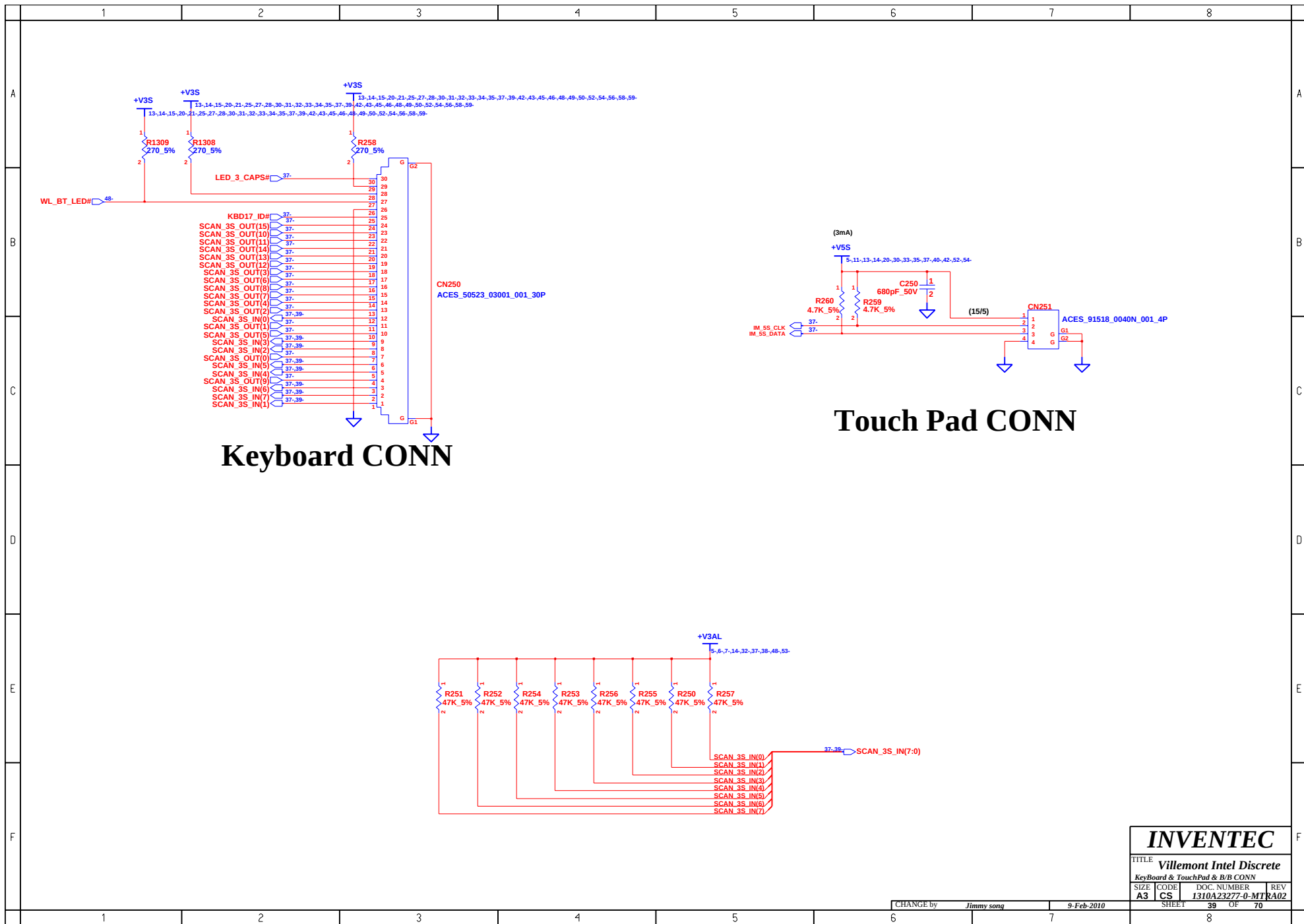
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SIZE **A3** CODE **CS** DOC. NUMBER **1310AZ3277-0-MTR** REV **A02**

CHANGE by **Jimmy song** 9-Feb-2010

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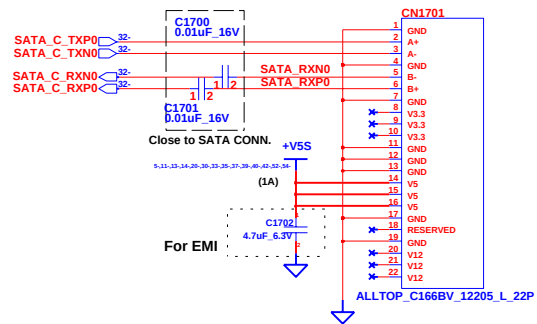
TITLE
Villemont Intel Discrete

KeyBoard & TouchPad & B/B CONN

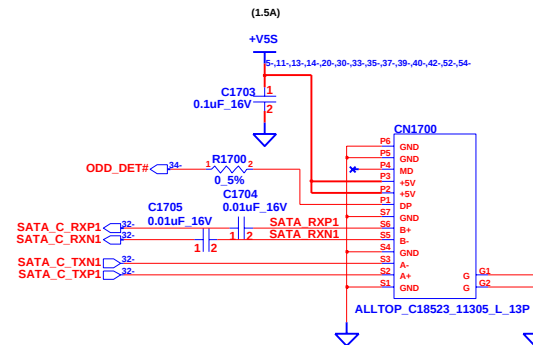
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CHANGE by *Jimmy song* 9-Feb-2010

SHEET 39 OF 70

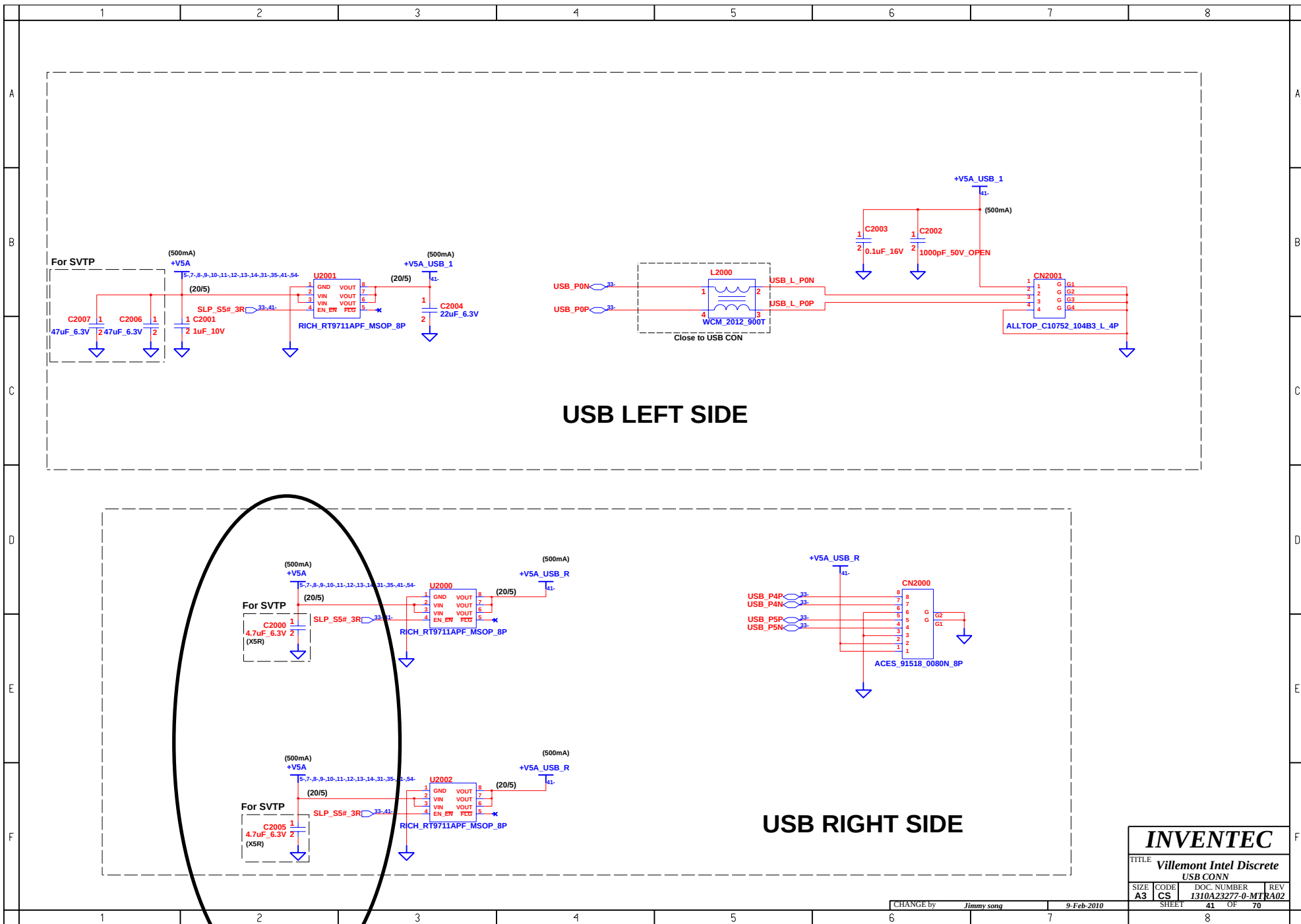


SATA HDD

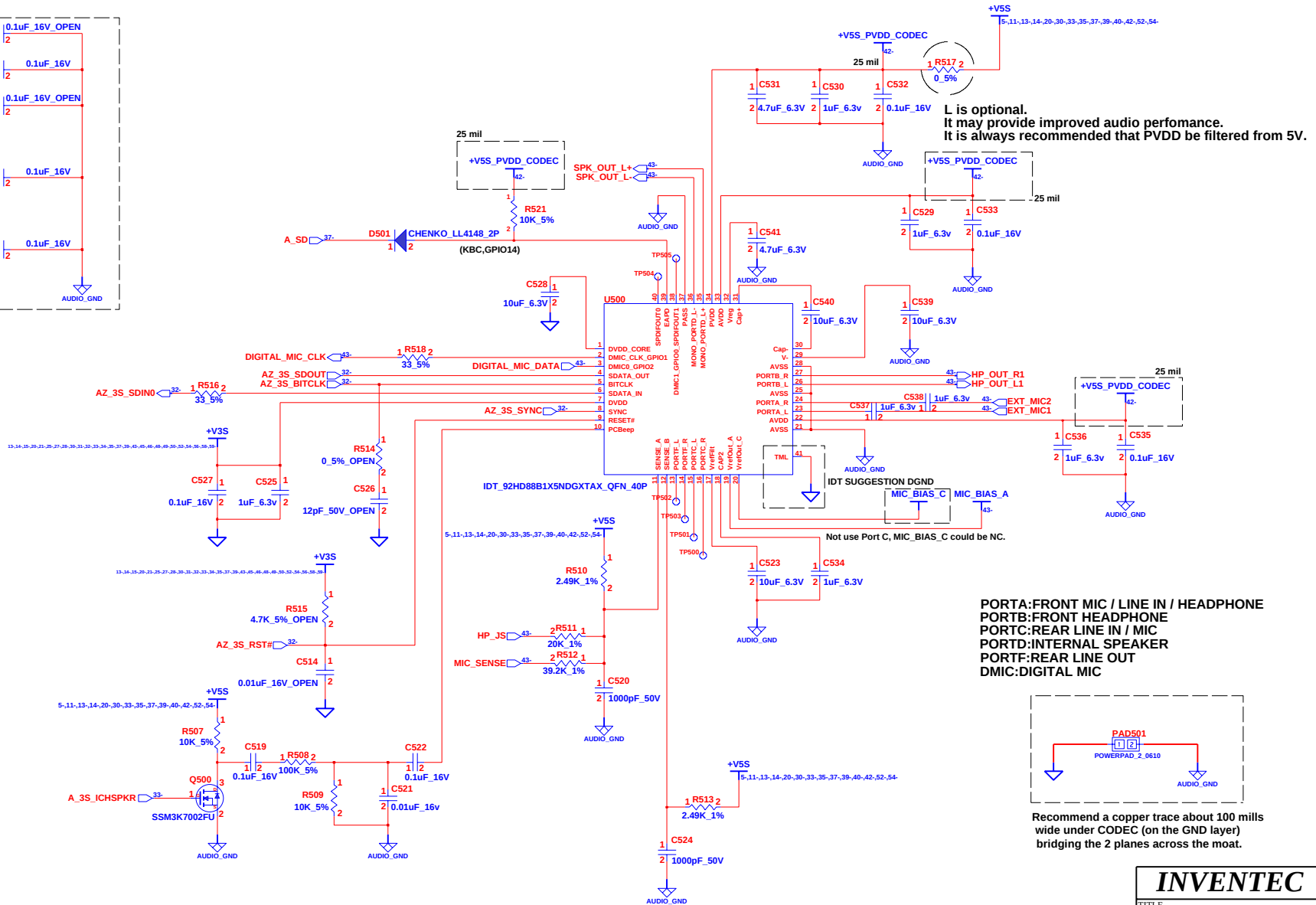
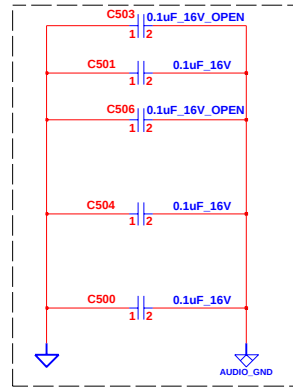


SATA ODD

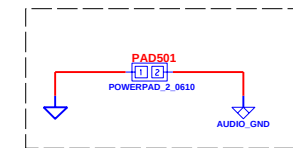
INVENTEC			
TITLE Villemont Intel Discrete			
HDD & ODD CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MTR	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 40		OF 70	



For EMI



PORTA:FRONT MIC / LINE IN / HEADPHONE
PORTB:FRONT HEADPHONE
PORTC:REAR LINE IN / MIC
PORTD:INTERNAL SPEAKER
PORTF:REAR LINE OUT
DMIC:DIGITAL MIC



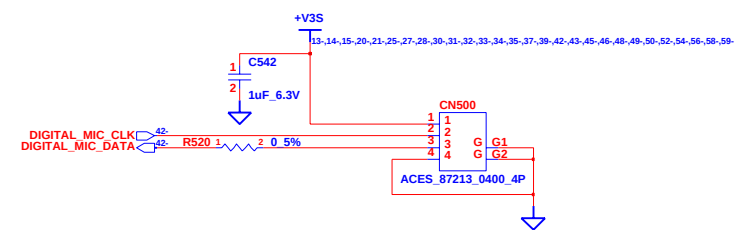
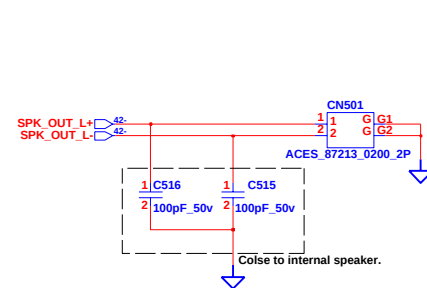
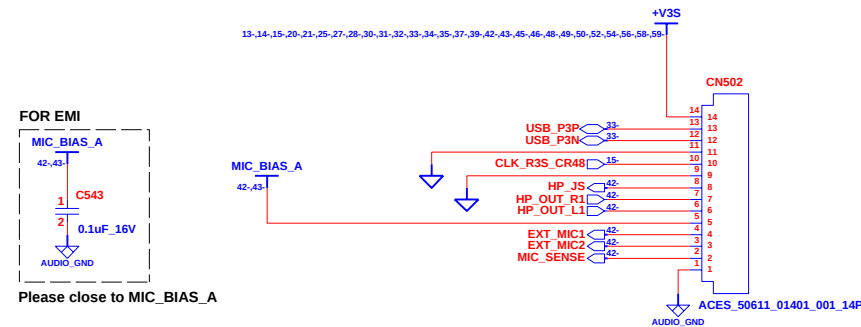
Recommend a copper trace about 100 mills wide under CODEC (on the GND layer) bridging the 2 planes across the moat.

INVENTEC

TITLE		
Villemont Intel Discrete		
AZALIA CODEC		
SIZE	CODE	DOC. NUMBER
A3	CS	I310AZ3277-0-MTR
REV		RA02
SHEET		42 OF 70

CHANGE by Jimmy song 9-Feb-2010

SD/MMC & AUDIO JACK CONNECTOR MB SIDE



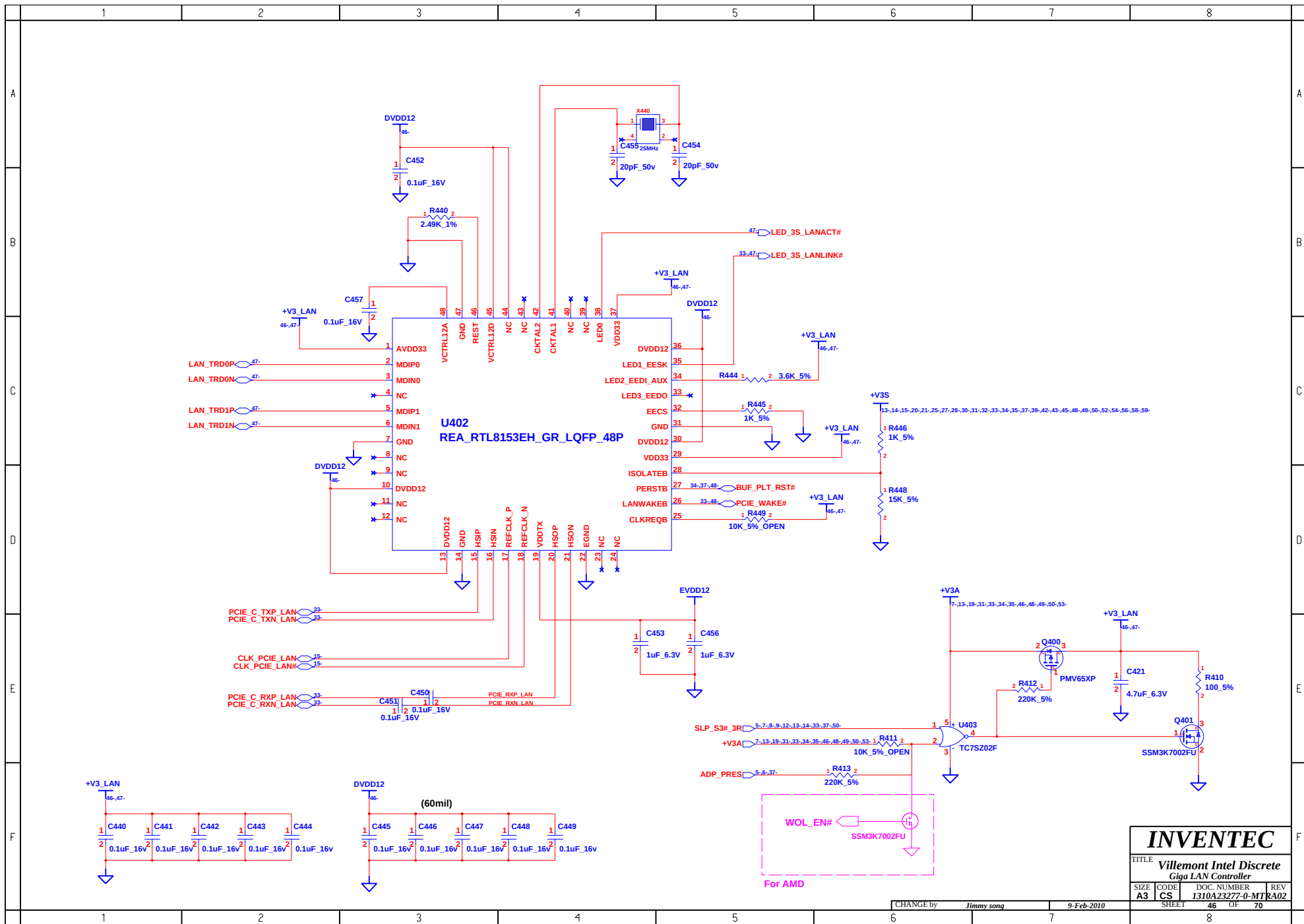
Internal Speaker

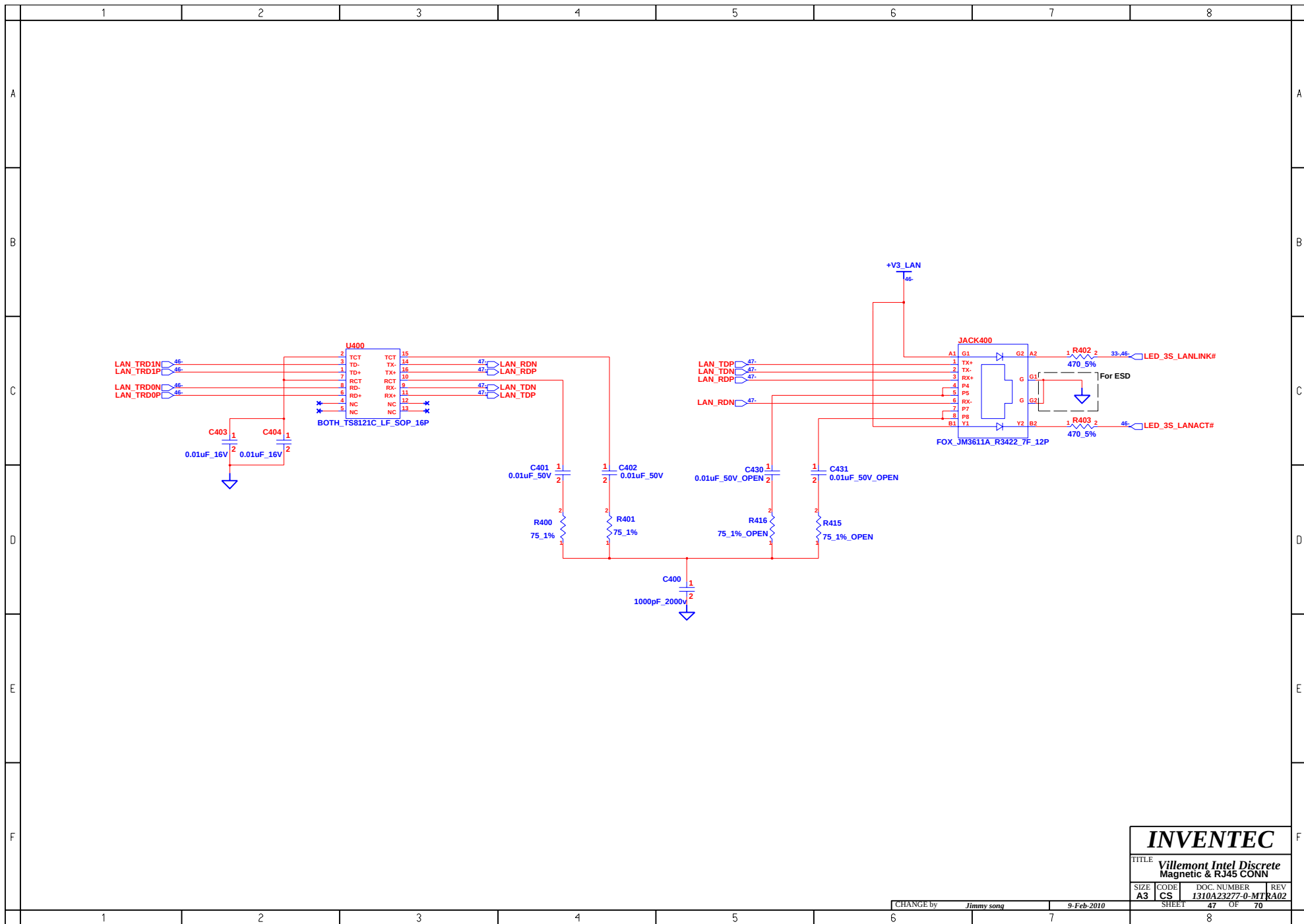
INT. DIGITAL MIC

INVENTEC			
TITLE			
Villemont Intel Discrete Earphone & MIC JACK Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23277-0-MT	RA02
CHANGE by		9-Feb-2010	
SHEET		43	OF 70

	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE Villemont Intel Discrete AUDIO AMP & HP JACK			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MTR	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 44		OF 70	



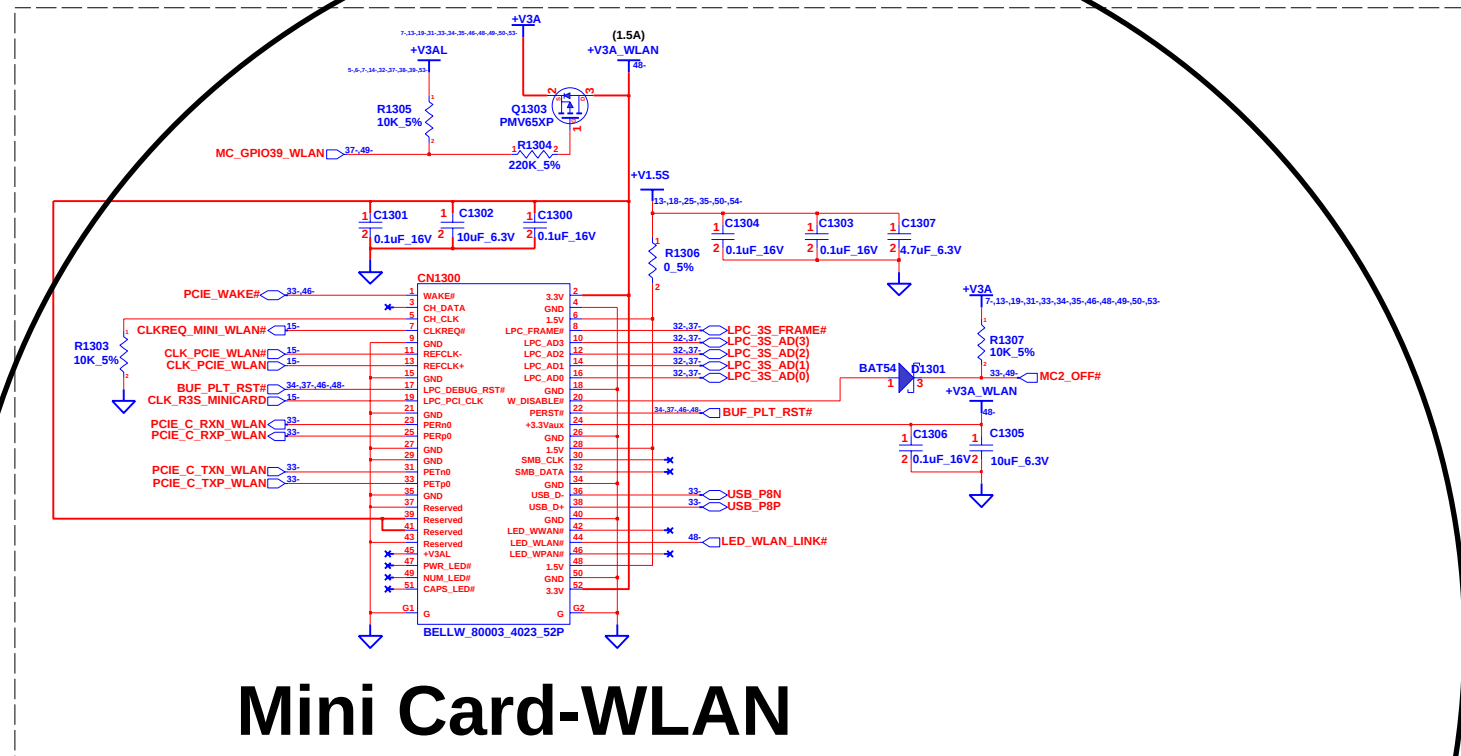


INVENTEC

TITLE
**Villemont Intel Discrete
Magnetic & RJ45 CONN**

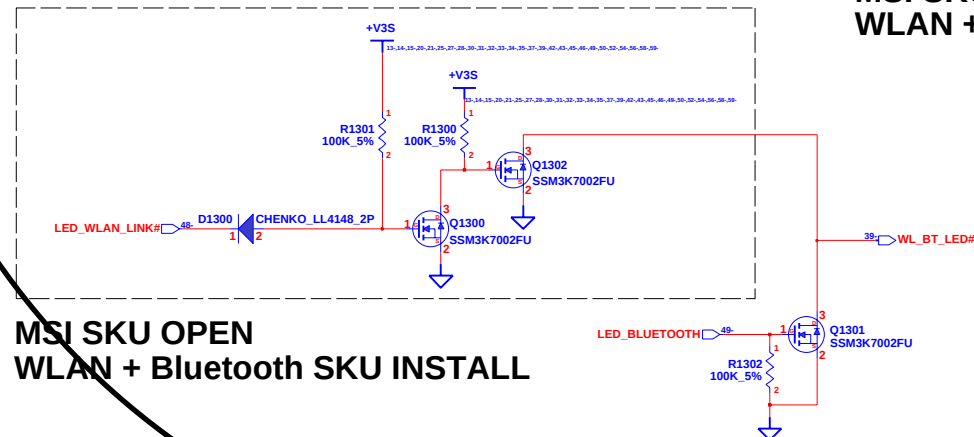
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MT	REV RA02
SHEET 47		OF 70	

CHANGE by *Jimmy song* 9-Feb-2010



Mini Card-WLAN

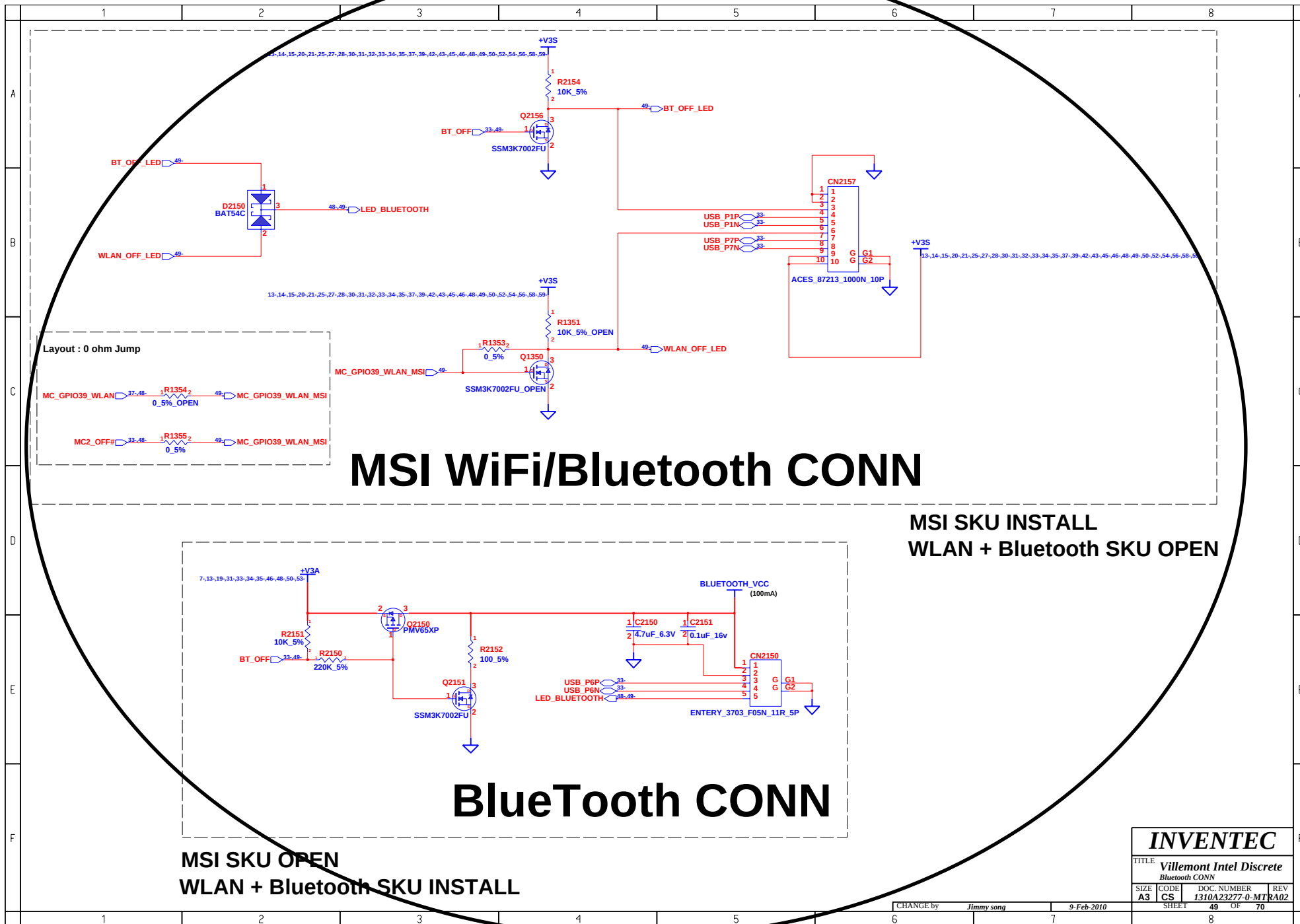
MSI SKU OPEN
WLAN + Bluetooth SKU INSTALL



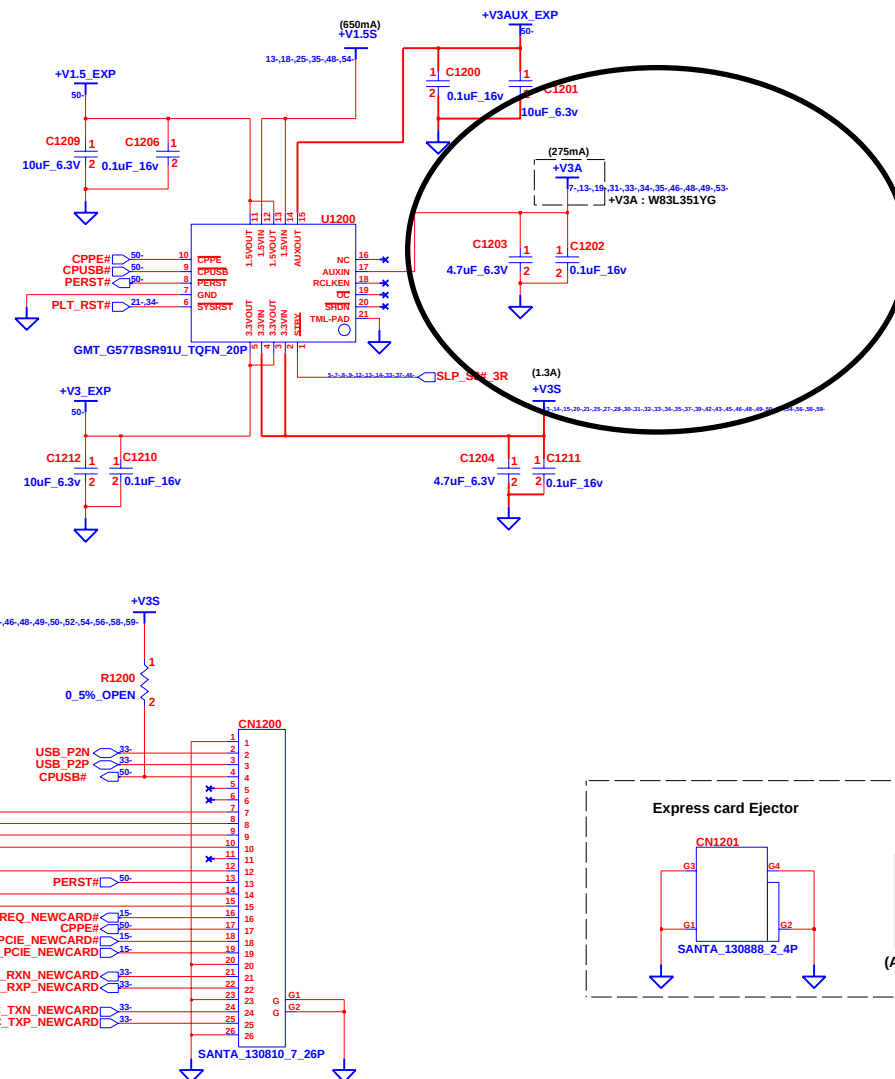
MSI SKU OPEN
WLAN + Bluetooth SKU INSTALL

INVENTEC			
TITLE Villemont Intel Discrete Mini Card (WLAN)			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MTR	REV A02
SHEET 48		OF 70	

CHANGE BY Jimmy song 9-Feb-2010



INVENTEC			
TITLE Villemont Intel Discrete Bluetooth CONN			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MT	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 49		OF 70	



Express card

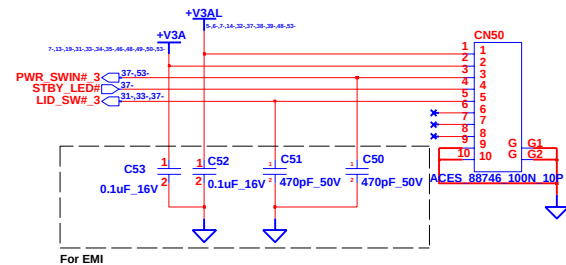
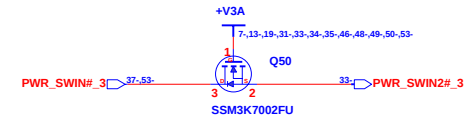
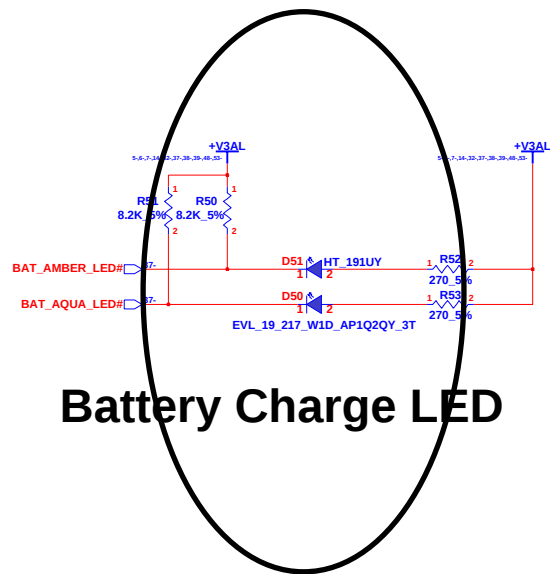
INVENTEC			
TITLE Villemont Intel Discrete			
Express Card			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MT	REV RA02
SHEET 50		OF 70	

CHANGE by Jimmy song 9-Feb-2010

	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE Villemont Intel Discrete			
BLANK			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MTR	REV A02
SHEET 51		OF 70	

CHANGE by Jimmy song 9-Feb-2010



INVENTEC			
TITLE Villemont Intel Discrete LEDs			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MTR	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 53		OF 70	

	1	2	3	4	5	6	7	8	
A	+VSA +VSS 5,7,8,9,10,11,12,13,14,31,35,41,54 C7501 12 0.1uF_16V_OPEN +VSA +VSS 5,7,8,9,10,11,12,13,14,31,35,41,54 C7507 12 0.1uF_16V_OPEN +VCCP 6,15,16,17,18,19,21,22,24,25,32,35,54 C7509 12 0.1uF_16V_OPEN +VCCP +V3S 6,15,16,17,18,19,21,22,24,25,32,35 C7513 12 0.1uF_16V_OPEN +VCCP +V3S 6,15,16,17,18,19,21,22,24,25,32,35 C7515 12 0.1uF_16V_OPEN +VCCP +V1.5S 6,15,16,17,18,19,21,22,24,25,32,35 C7523 12 0.1uF_16V_OPEN +VBATR +V3S 5,7,9,10,11,13,31 C7510 12 0.1uF_25V_OPEN +V3S +V5S 13,14,15,20,21,25,27,28,30,31,32,33,34,35 C7056 12 0.1uF_16V_OPEN +V3S +V5A 13,14,15,20,21,25,27,28,30,31,32,33,34,35 C7514 12 0.1uF_16V_OPEN +V3S +V1.5S_VGA 13,14,15,20,21,25,27,28,30,31,32,33,34,35 C7516 12 0.1uF_16V_OPEN +V3S +V1.5S 13,14,15,20,21,25,27,28,30,31,32,33,34,35 C7520 12 0.1uF_16V_OPEN								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

+VSA

+VSS

5,7,8,9,10,11,12,13,14,31,35,41,54

C7501

12

0.1uF_16V_OPEN

+VSA

+VSS

5,7,8,9,10,11,12,13,14,31,35,41,54

C7507

12

0.1uF_16V_OPEN

+VCCP

6,15,16,17,18,19,21,22,24,25,32,35,54

C7509

12

0.1uF_16V_OPEN

+VCCP

+V3S

6,15,16,17,18,19,21,22,24,25,32,35

C7513

12

0.1uF_16V_OPEN

+VCCP

+V3S

6,15,16,17,18,19,21,22,24,25,32,35

C7515

12

0.1uF_16V_OPEN

+VCCP

+V1.5S

6,15,16,17,18,19,21,22,24,25,32,35

C7523

12

0.1uF_16V_OPEN

+VBATR

+V3S

5,7,9,10,11,13,31

C7510

12

0.1uF_25V_OPEN

+V3S

+V5S

13,14,15,20,21,25,27,28,30,31,32,33,34,35

C7056

12

0.1uF_16V_OPEN

+V3S

+V5A

13,14,15,20,21,25,27,28,30,31,32,33,34,35

C7514

12

0.1uF_16V_OPEN

+V3S

+V1.5S_VGA

13,14,15,20,21,25,27,28,30,31,32,33,34,35

C7516

12

0.1uF_16V_OPEN

+V3S

+V1.5S

13,14,15,20,21,25,27,28,30,31,32,33,34,35

C7520

12

0.1uF_16V_OPEN

INVENTEC

TITLE

Villemont Intel Discrete

EMI CAP

SIZE

A3

CODE

CS

DOC. NUMBER

I310AZ3277-0-MTR

REV

A02

CHANGE by

Jimmy song

9-Feb-2010

SHEET

54

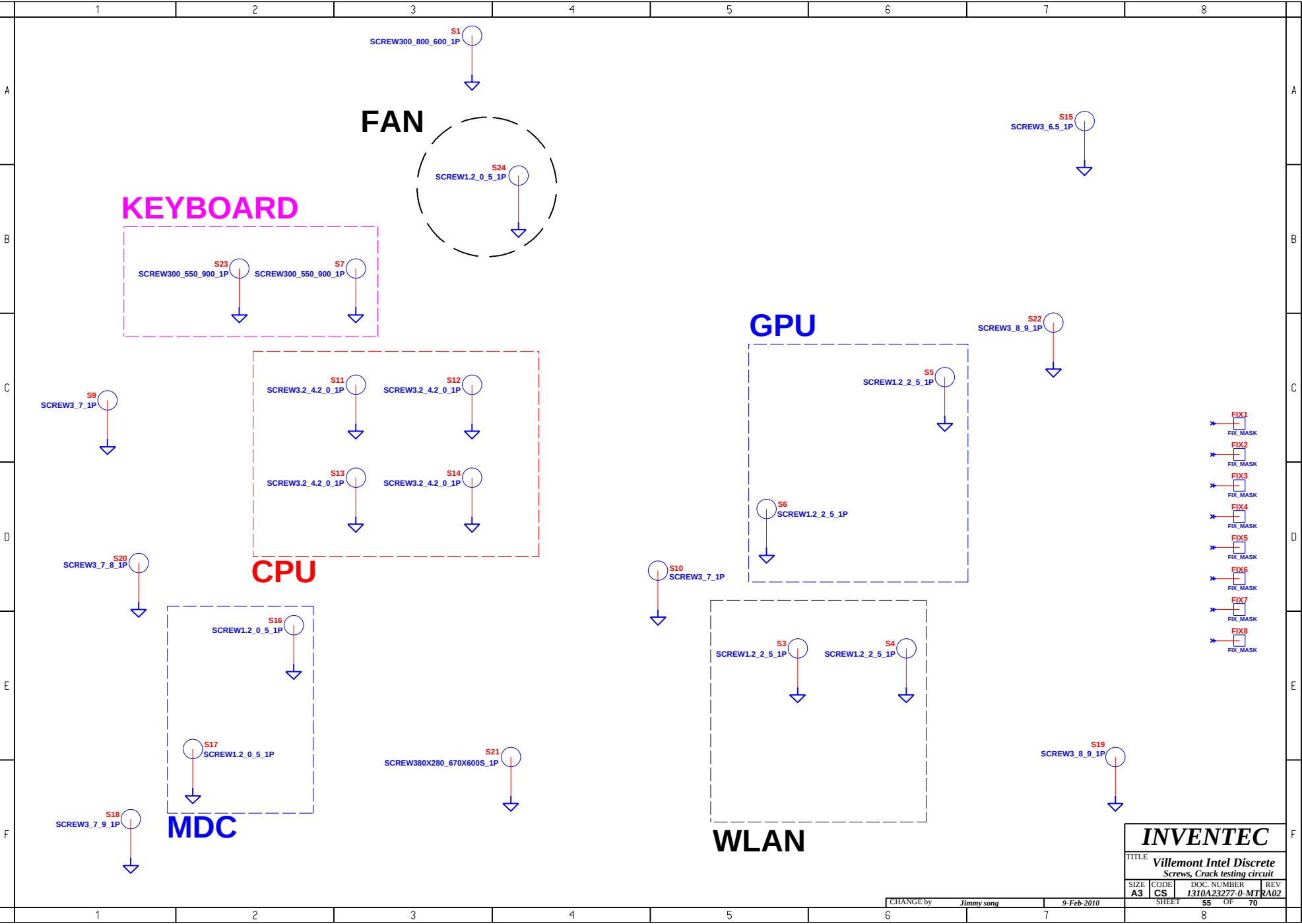
OF

70

8

For EMI

INVENTEC			
TITLE Villemont Intel Discrete EMI CAP			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MT	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 54		OF 70	



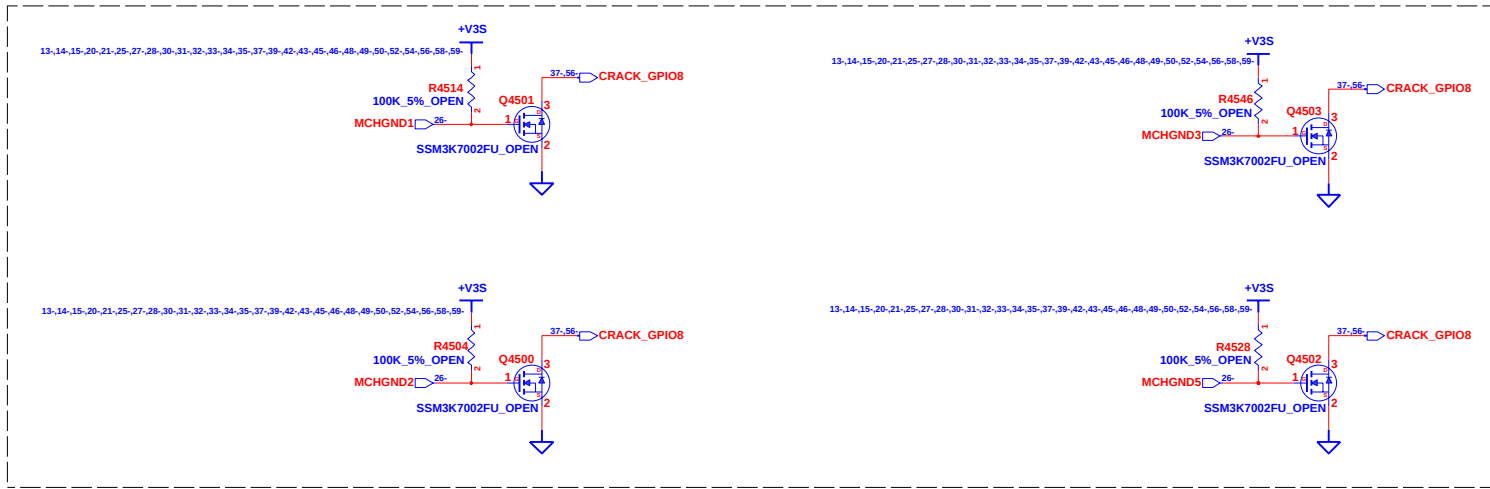
INVENTEC

TITLE
Villemont Intel Discrete
Screws, Crack testing circuit

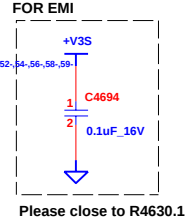
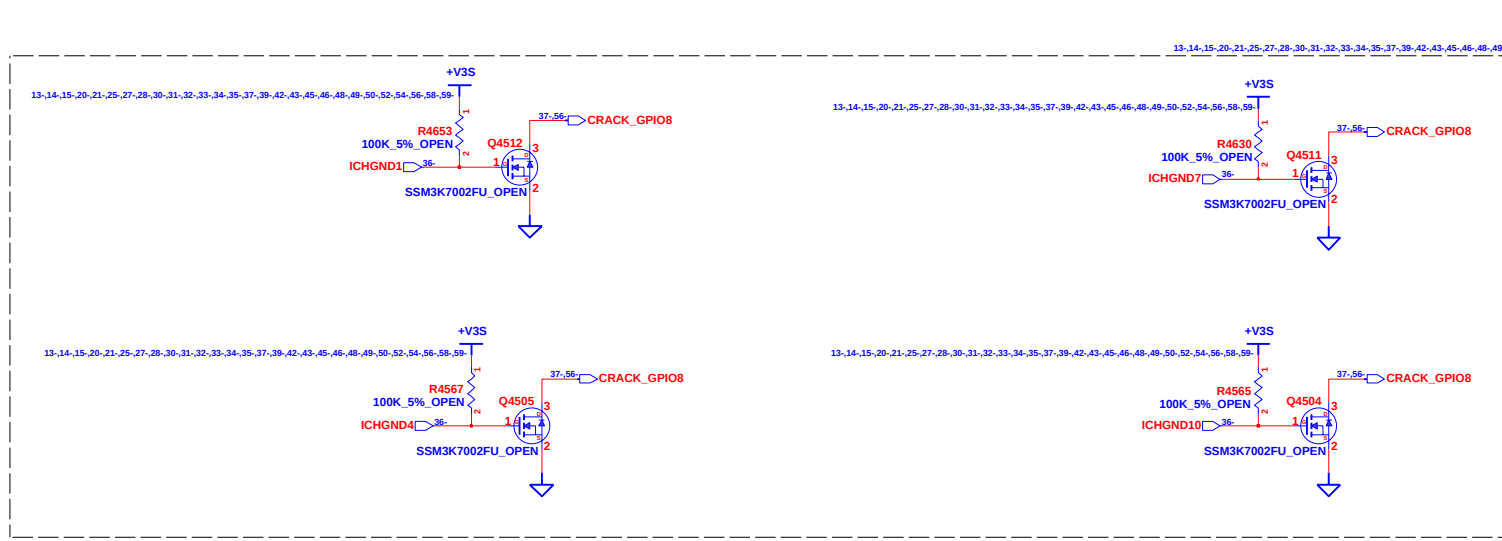
SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MTR	REV A02
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CHANGE by *Jimmy song* 9-Feb-2010

SHEET 55 OF 70



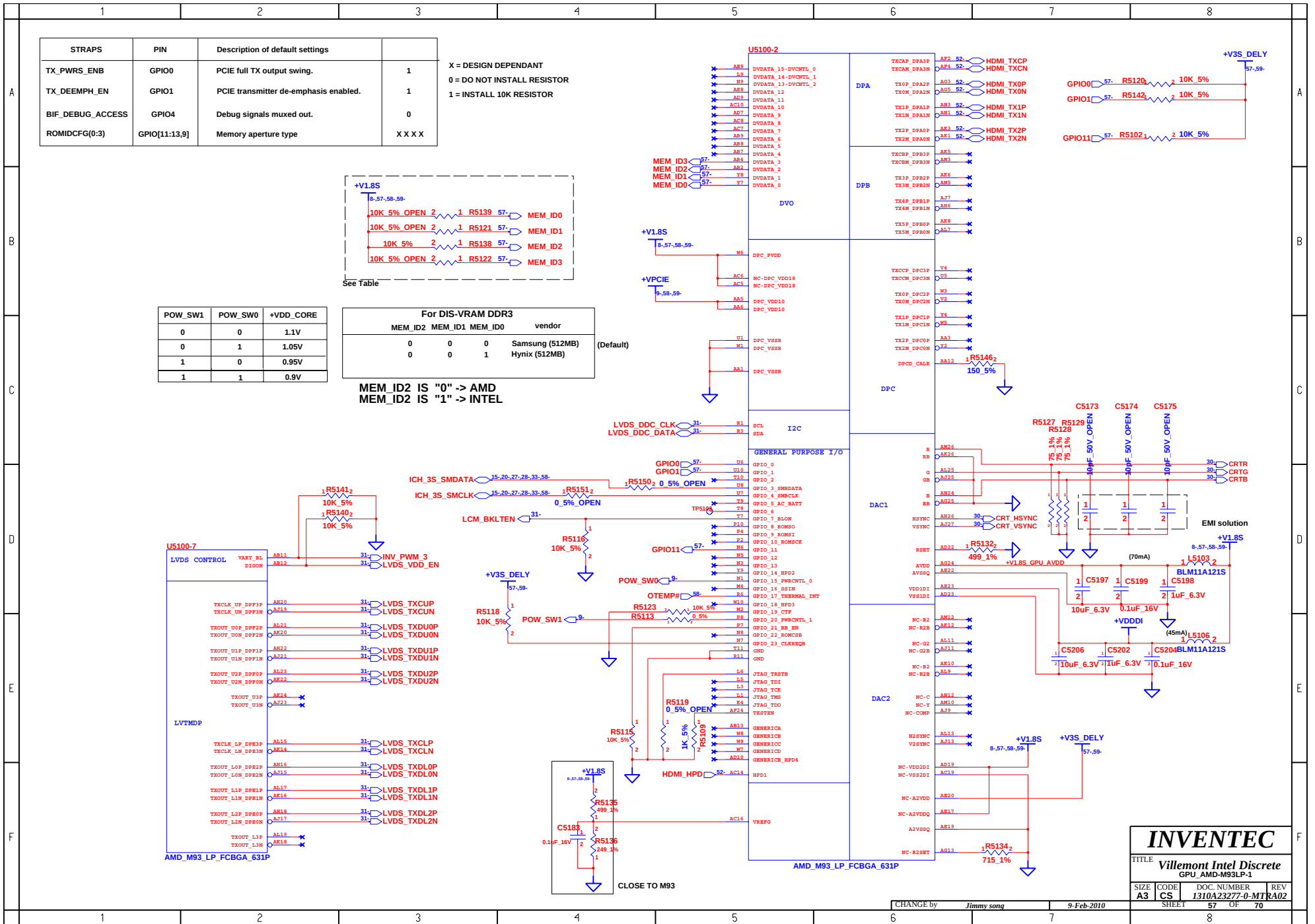
NB Cantiga Side

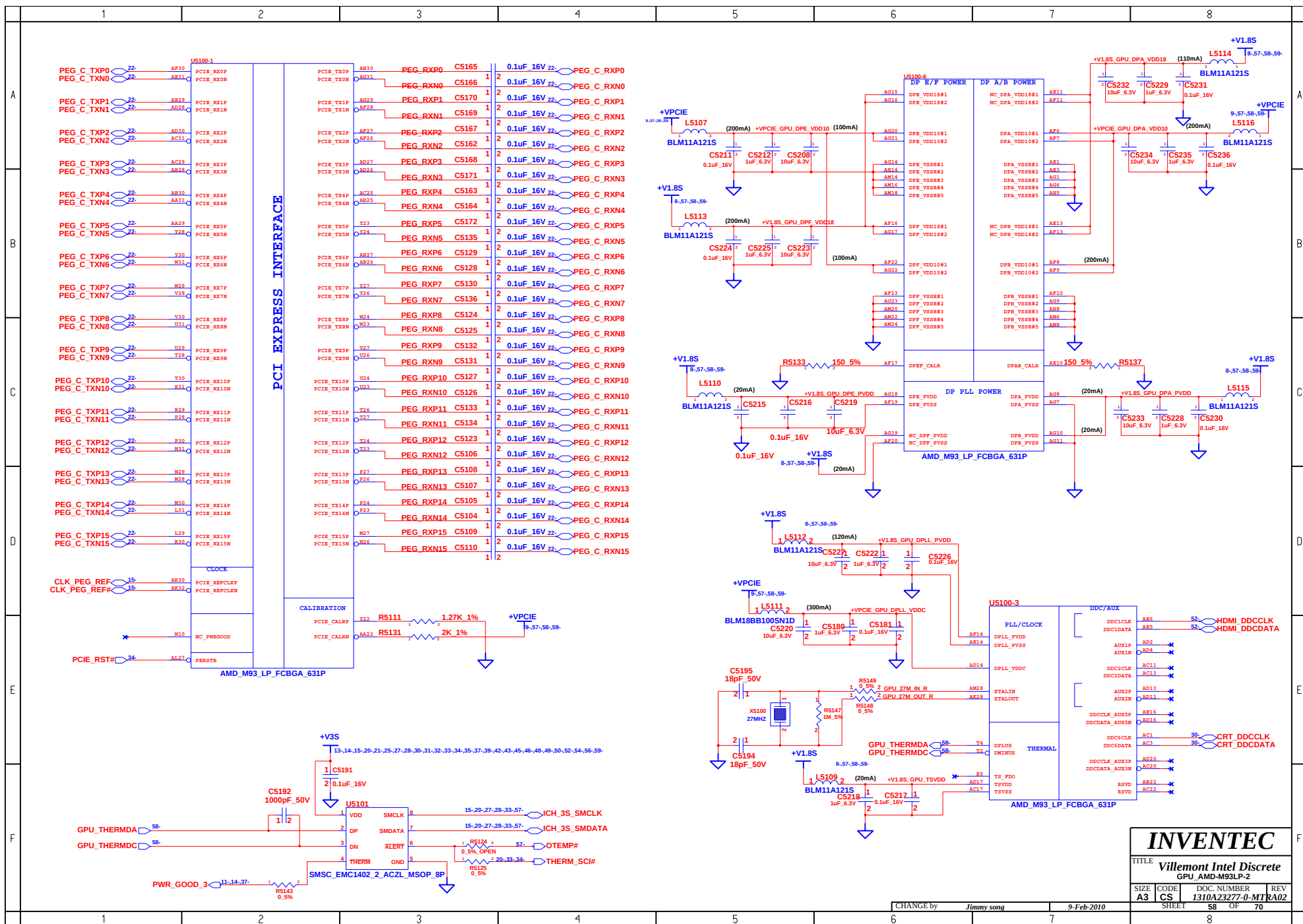


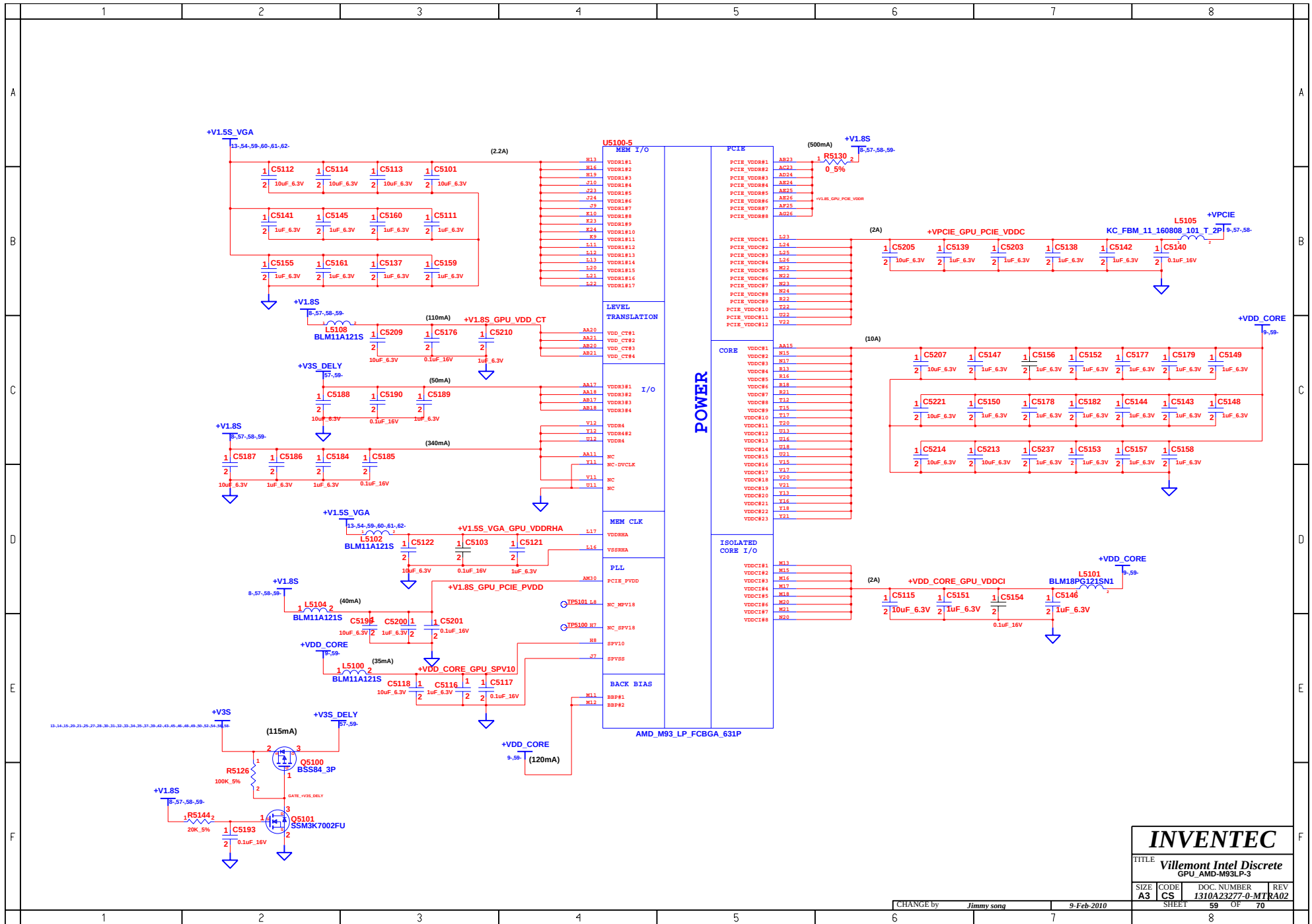
For Crack Test

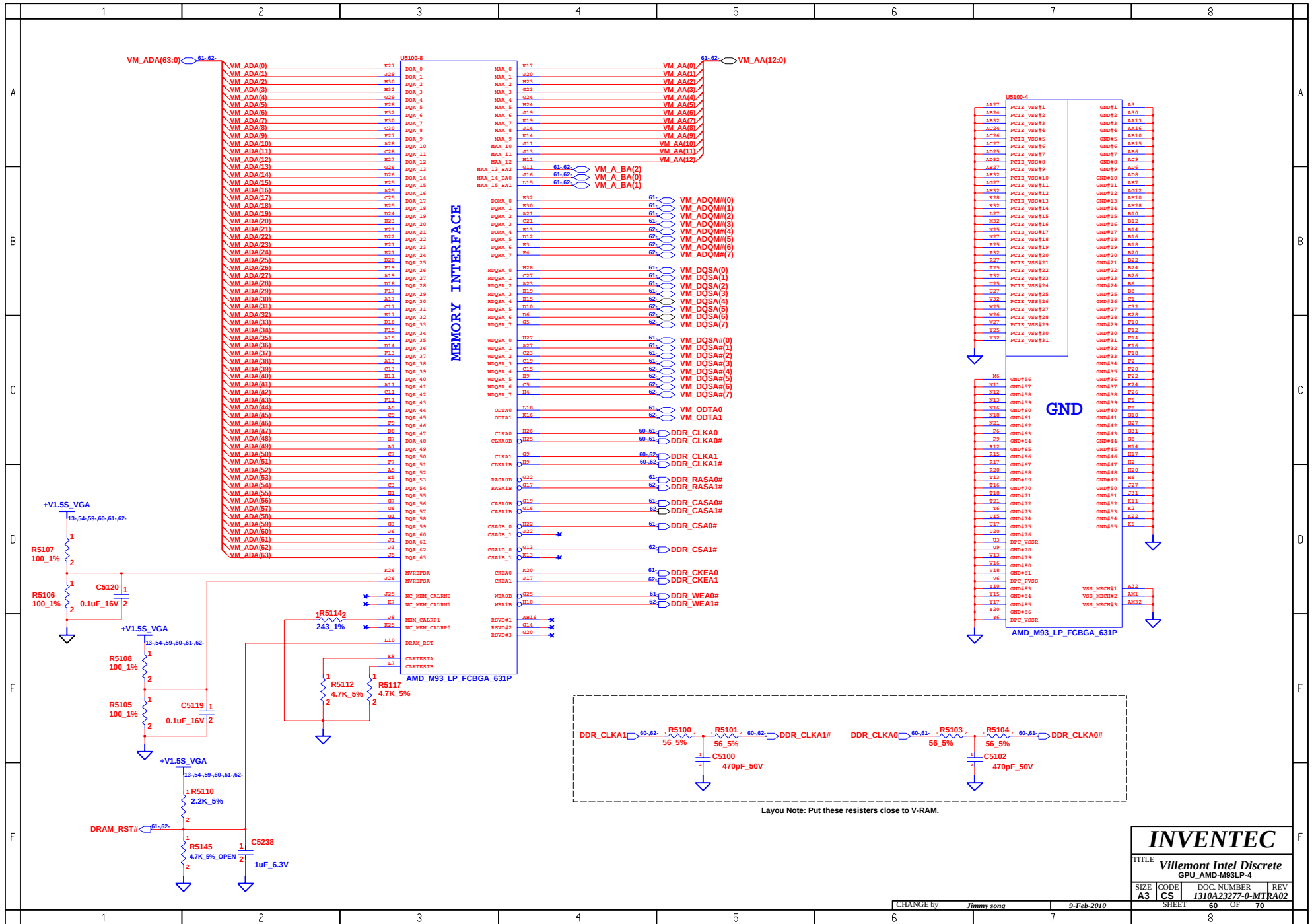
SB ICH9 Side

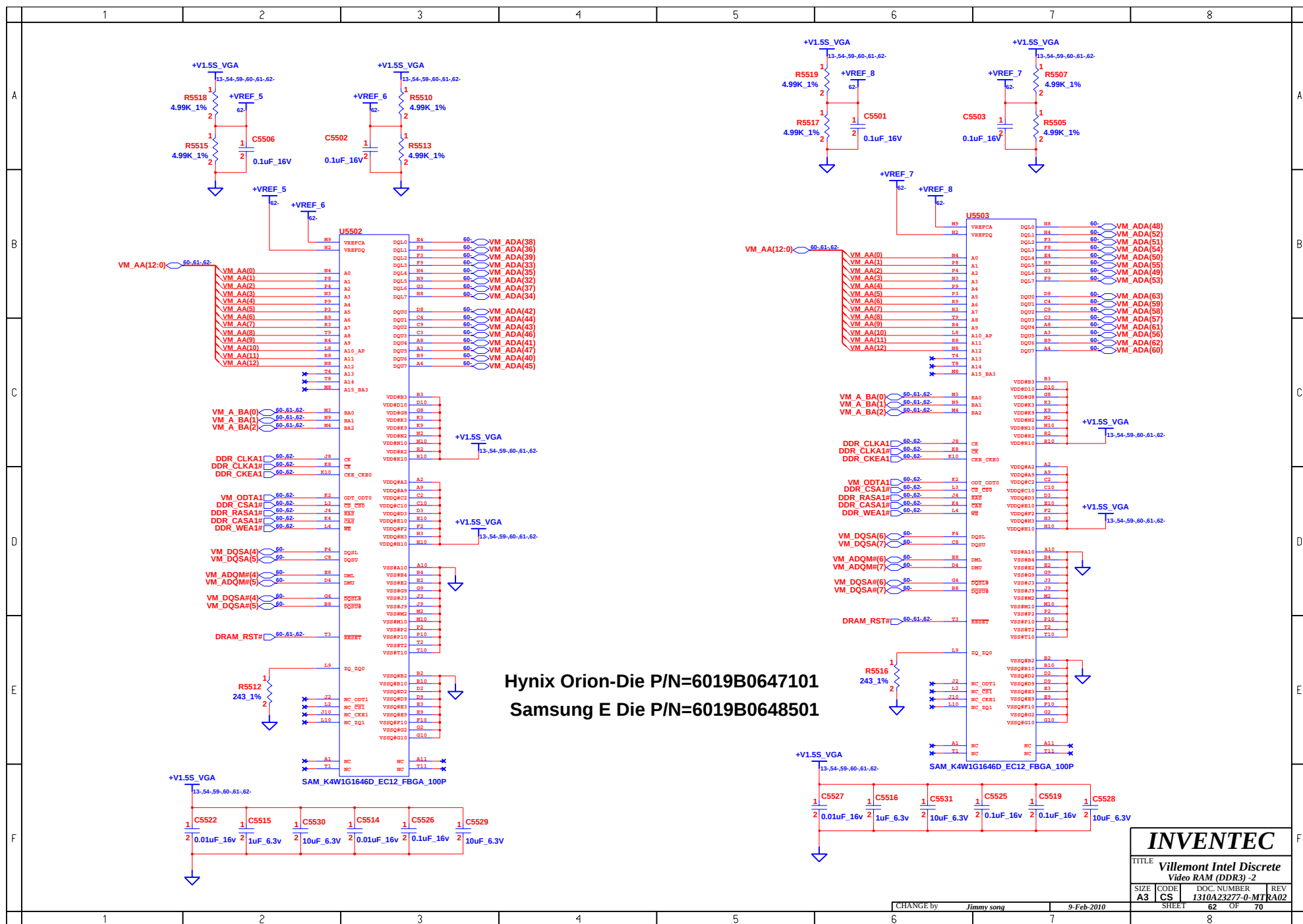
INVENTEC			
TITLE Villemont Intel Discrete			
Crack testing circuit			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3277-0-MTR	REV A02
SHEET 56		OF 70	

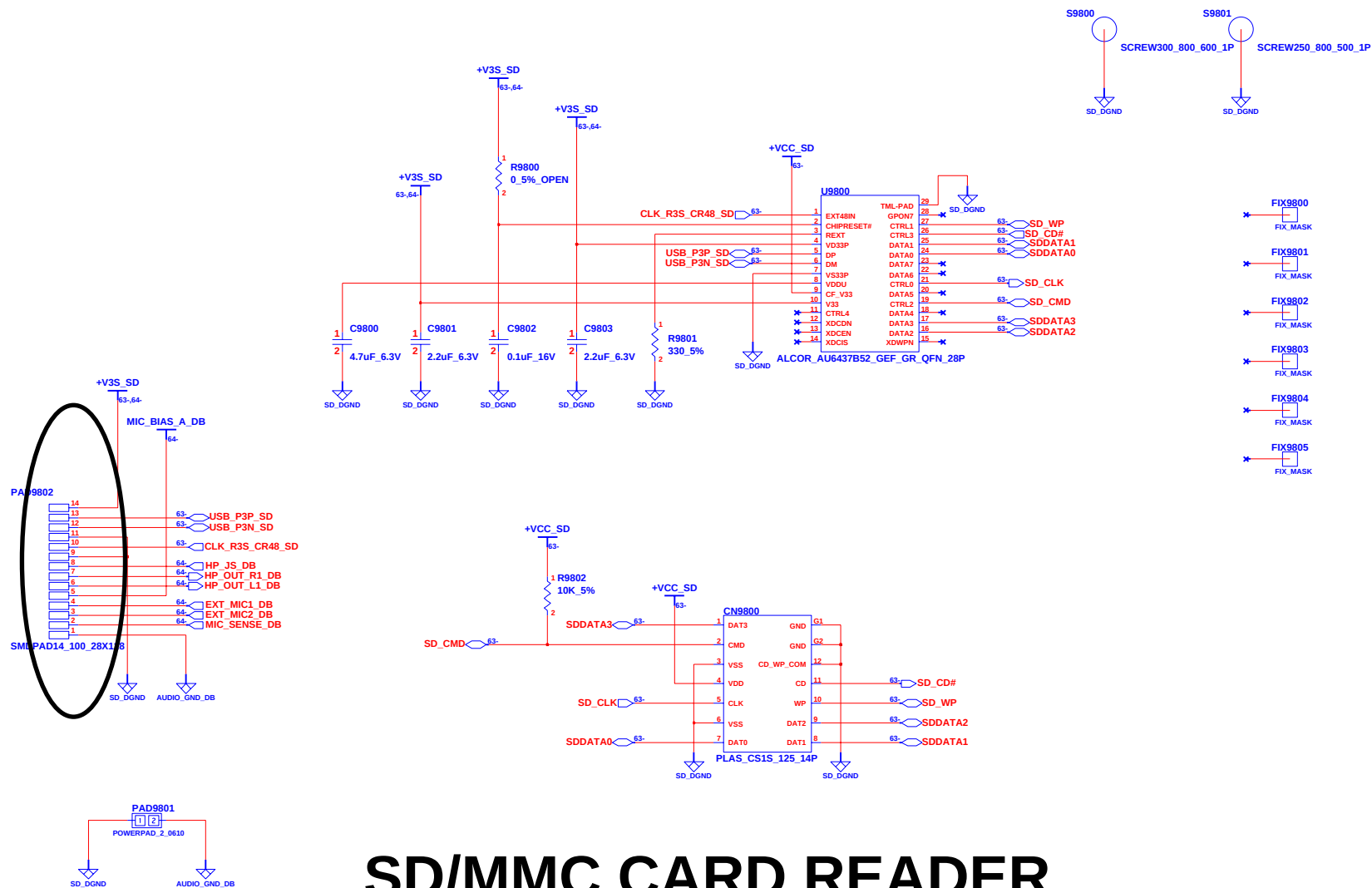










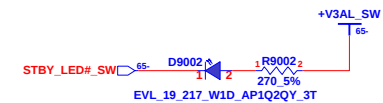
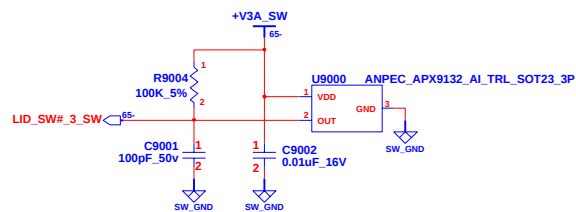
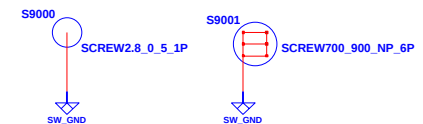
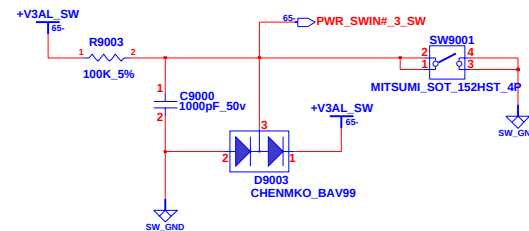
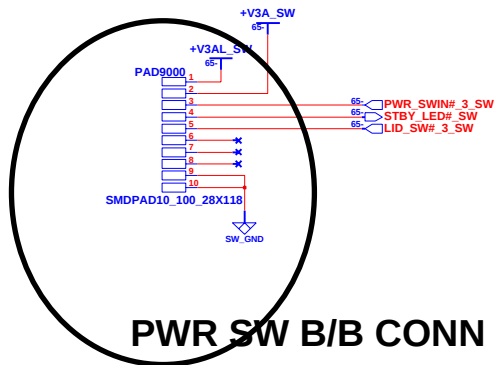


SD/MMC CARD READER

INVENTEC			
TITLE Villmont Intel Discrete Card Reader SD/MMC			
SIZE A3	CODE CS	DOC. NUMBER 1310A23277-0-MTR	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 63		OF 70	

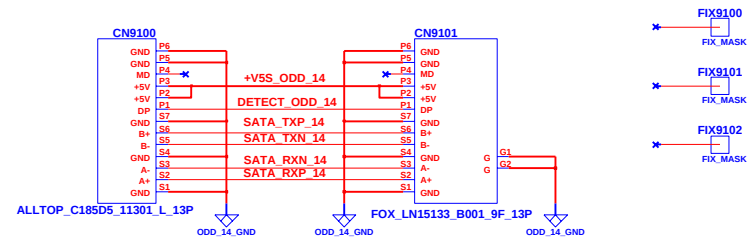


TITLE			
Villemont Intel Discrete Headphone & MIC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23277-0-MTR	A02
SHEET		64	OF 70



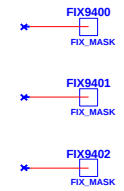
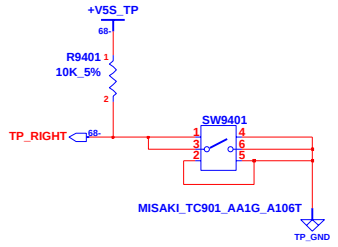
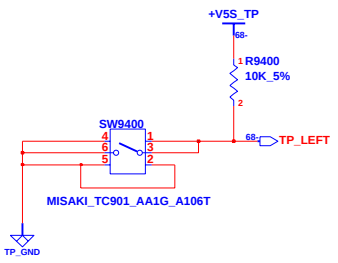
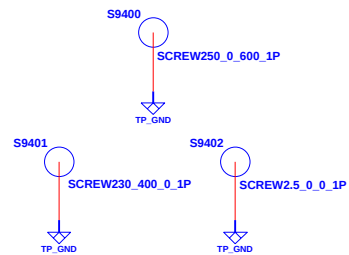
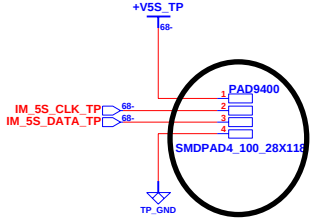
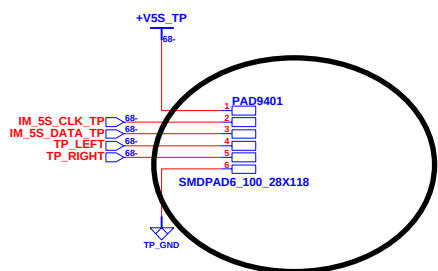
Power Button & LID Switch Board

INVENTEC			
TITLE Villemont Intel Discrete Power button & LID switch			
SIZE A3	CODE CS	DOC. NUMBER I310A23277-0-MTR	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET		65 OF 70	



14''ODD Extend Board

INVENTEC			
TITLE Villemont Intel Discrete			
14''ODD EXT/B			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3277-0-MT	REV A02
CHANGE by Jimmy song		9-Feb-2010	
SHEET 66		OF 70	



LEFT BUTTON

RIGHT BUTTON

PICK Button Board

INVENTEC			
TITLE Villemont Intel Discrete Pick button			
SIZE A3	CODE CS	DOC. NUMBER 1310A23277-0-MTR	REV A02
CHANGE by Jimmy song		27-Sep-2003	
SHEET 68		OF 70	

	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE <i>Villemont Intel Discrete</i>			
USB Left Side Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ3277-0-MTR	A02
CHANGE by		9-Feb-2010	
SHEET		69	OF 70

	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE Villemont Intel Discrete USB Left Side Board			
SIZE A3	CODE CS	DOC. NUMBER 1310A23277-0-MTR	REV A02
SHEET 70		OF 70	

CHANGE by	Jimmy song	9-Feb-2010
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